

PROGRAM 2015

UNIVERSITY OF WISCONSIN—MADISON

Undergraduate Symposium

Celebrating research,
creative endeavor and
service-learning



 an **ideas**
to Excellence event

Undergraduate Symposium 2015

Celebrating Research, Creative Endeavor and Service-Learning

University of Wisconsin–Madison

Union South

April 16, 2015

9:00 a.m. – 12:30 p.m. Poster Set-up – Varsity Hall
9:00 a.m. – 3:30 p.m. Registration – Varsity Hall Entrance
Noon – 12:25 p.m. Welcome Remarks and Awards – Varsity Hall

Welcome to Student Participants

Celebrating Undergraduate Education at a Research University

Steven M. Cramer, Vice Provost for Teaching and Learning

Undergraduate Library Research Awards

Kelli Hughes, Public Services Librarian

College Library

12:30 – 1:45 p.m. Session I: Talks, Project Displays, and Posters
87th Annual Student Art Show Gallery Talk
2:00 – 3:15 p.m. Session II: Talks, Project Displays, and Posters
3:30 – 4:45 p.m. Session III: Talks, Project Displays, and Posters
4:00 – 5:00 p.m. Performance Workshops and Film Shorts, The Marquee
5:30 – 6:30 p.m. ***Ideas to Excellence*** Reception – Varsity Hall
Undergraduate Mentoring Awards

Refreshments will be available in Varsity Hall during Sessions I-III.

Light hors d'oeuvres will be served during the ***Ideas to Excellence*** reception.

We would like to thank our major sponsors and partners:

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2015 Undergraduate Symposium Organizing Committee: Steven M. Cramer, Maya Holtzman, Kelli Hughes, Linda Kietzer, Laurie Mayberry, David Metler, Aaron Miller, Matt Reiter (coordinator), Janice Rice, Amy Sloane, Julie Stubbs, and Beth Tryon. A special thanks goes to Stephanie Diaz de Leon of The Wisconsin Union; Rosemary Bodolay, Patricia Iaccarino, Carrie (Carolyn) Kruse and Pamela O'Donnell at College Library; and Jeff Crucius of the Division of Information Technology.



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

*Cover photos courtesy Office of University Marketing
and the Undergraduate Symposium Committee*

87th Annual Student Art Show Gallery Talk

12:30 – 1:45 p.m., Gallery 1308, 1st floor, Union South

The 87th Annual Student Art Show offers all University of Wisconsin–Madison students the opportunity to enter up to three works of art to be considered for inclusion in a competitive juried exhibition. Selected works in this exhibition receive cash prizes and/or purchase awards. All artworks receiving purchase awards are accessioned to the Wisconsin Union Art Collection.

Key

Format

DI	Digital Salon
F	Film
PF	Performance
PS	Poster
PR	Project Display
T	Talk

Session Time

I	Session 1: 12:30–1:45 p.m.
II	Session 2: 2:00–3:15 p.m.
III	Session 3: 3:30–4:45 p.m.
PW	Performance Workshops and Film Shorts: 4:00–5:00 p.m.

Room

5Q	Fifth Quarter Studio
Ag-A,B	Agriculture-A,B
AL	Alumni
F	Forward
FN	First Nation
GV	Governance
IN-A,B	Industry-A,B
LM-A,B	Landmark-A,B
MT	Marquee Theatre
NW-A,B	Northwoods-A,B
SC	Scholars
SW	Sift & Winnow
TR	Traditions
VH	Varsity Hall
WI	Wisconsin Idea

Index

Last Name, First	Format	Time	Room	#
Badger, Buckingham	PS	III	VH	123

In this example, Bucky Badger will be presenting a poster during Session III from 3:30–4:45 p.m. in Varsity Hall. The poster number is 123.

Digital Installations

Session 1: 12:30 – 1:45 p.m.

VARSIITY HALL

Title	Presenters and Mentors
For Tourists' Eyes Only	Edel Roach, Ksenija Bilbija (Mentor)

Session 3: 3:30 – 4:45 p.m.

VARSIITY HALL

Title	Presenters and Mentors
Wisconsin Big Cat Rescue PSA	Jennifer Abplanalp, Amanda Borkowski, Gina Lehner, Andrew Pieterick, Patricia Loew (Mentor)
Time-Varying Point Cloud Datasets	Evan Hernandez, Matthew Nelson, Markus Broecker (Mentor)
Anti-Bullying Public Service Announcement: Melvin Gordon's Story	Zachary Nelson, James Adeyanju, Melvin Gordon, Patricia Loew (Mentor)

Project Display

3:30 – 4:45 p.m.

VARSIITY HALL

Title	Presenters and Mentors
The Soap Project: Materials and Methods of Making Soap in Kenya	Kayla Sippl, Susan Paskewitz (Mentor)

Film Shorts

4:00 – 5:00 p.m.

MARQUEE THEATRE

Title	Presenters and Mentors
Wisconsin Wetland Association Promotional Video	Scott Hennelly, Julian Cooper, Madeline Kalicka, Patricia Loew (Mentor)
The Journey of UW–Madison Recycling	Scott Hennelly, Jill Sakai (Mentor)
Sports and Church: Examining the Experience of Religion to Surpass Its Definitional Limitations	Max Lukach, Corrie Norman (Mentor)
Recruitment: A Short Film	Nathan Baumgarten, Aaron Granat (Mentor)

Performance Workshops

4:00 – 5:00 p.m.

MARQUEE THEATRE

Title	Presenters and Mentors
Bringing Light to Forgotten Repertoires of the German Baroque	Duangkamon Wattanasak, Jeanne Swack (Mentor)
Maelstrom	Taylor Kiesow, Katherine Corby (Mentor)

Talks

Session 1: 12:30 – 1:45 p.m.

AGRICULTURE A

Title	Presenters and Mentors
Development of Behavioral Lateralization in Infant Rhesus Macaques (Macaca Mulatta)	Chloe Karaskiewicz, Allyson Bennett (Mentor)
Cardiorespiratory Fitness Is Associated With Hippocampal Glucose Metabolism in Adults at Risk for Ad	Taylor Kirby, Ozioma Okonkwo (Mentor)
Prenatal Alcohol Exposure and Iron Deficiency Interact to Negatively Alter Placental Function	Camille Plesha, Susan Smith (Mentor)
New Application of Muscle Tissue Engineering to Understand Amyotrophic Lateral Sclerosis	Michelle Tong, Masatoshi Suzuki (Mentor)
Behavioral and Neural Investigations of the Links Between Symbolic Number Representations	Abigail Zellner, Edward Hubbard (Mentor)

AGRICULTURE B

Title	Presenters and Mentors
Passive Surveillance Program for Vector-Borne Pathogens in Ticks from Wisconsin	Carlie Deziel, Susan Paskewitz (Mentor)
Bacterial Impact on Leaf-Cutter Ant Fungal Gardens	Zach Dumar, Cameron Currie (Mentor)
Indirect Effects of Landscape Connectivity on Pollinator Diversity in 30 Ozark Glades	Shannon Grover, Jesse Miller (Mentor)

ALUMNI

Title	Presenters and Mentors
UW-Boxable: A Sustainable Shipping Coalition	Emily Baumann, Katelyn Budke, Su Hyun Yim, Sabrina Bradshaw (Mentor)
Roles for the Escrt Machinery and the Septin Complex in Membrane Abcission During Cytokinesis	Emily Baumann, Anjon Audhya (Mentor)
Police Equipment in a Ford Utility: Optimizing Location With the Tools of Physical Ergonomics	Brittney Kline, Robert Radwin (Mentor)
Organizational Uses of Cultural Resources to Formulate Identities	Oudom Kour, Shannon Younger (Mentor)

INDUSTRY A

Title	Presenters and Mentors
Does Exposure to Spanish Make Bilinguals Think in Spanish, Even When Using English?	Kathryn Ficho, Margarita Kaushanskaya (Mentor)
The Analysis of Hmong-English Code-Switching	laong Lee, Hong Yan (Mentor)
The Relationship Between Lexical-Phonetic and Socio-Phonetic Language Development	Bianca Schroeder, Jan Edwards (Mentor)
Hearing a New Accent: Changing Perceptions of Wisconsin English Over Time	Danielle Schuld, Joseph Salmons (Mentor)
Phonetics of Heritage Speakers of Spanish	Monica Kapp, Rajiv Rao (Mentor)

LANDMARK A

Title	Presenters and Mentors
Novel Mhc Class I Allele Discovery in Sooty Mangabeys	Katelyn Heimbruch, Julie Karl (Mentor)
Identification of the Cytochrome P450 Gene Superfamily in the Copepod Eurytemora Affinis	Alexandra Mechler-Hickson, Carol Lee (Mentor)

Investigation of Plant Translation Initiation Factor Modulation by Triticum Mosaic Virus	Nicole Mihelich, Aurelie Rakotondrafara (Mentor)
Investigation of the Function of Mbth-Like Proteins in Nonribosomal Peptide Synthetases	Jane Ryu, Michael Thomas (Mentor)
Differential Immune Responses of M1 and M2 Macrophages to Virus-Induced Airway Inflammation in Rats	Alyssa Tidemann, Ronald Sorkness (Mentor)

LANDMARK B

Title	Presenters and Mentors
Insect Identification of Lakes of Northern Wisconsin	Vilas Gaddameedi, Paul Schilke (Mentor)
Social Structure and Temperature Influence the Daily Foraging Patterns of Wintering Birds	Cody Lane, Benjamin Zuckerberg (Mentor)
The Accuracy of Global Circulation Model (GCM) Snow Cover Projections in a Rapidly Changing Climate	Craig Oswald, Tristan L'ecuyer (Mentor)
Examining Ways of Constructing Bioregional Place Attachment in the Lower Fox River Valley, Wisconsin	Ethan Heyrman, Francis Eanes (Mentor)

NORTHWOODS B

Title	Presenters and Mentors
Numerical Modeling of Ground Source Heat Pump Efficiency and Comparison to Field Data	Ian Atkins, Christopher Choi (Mentor)
Case Study of Wisconsin Ground Source Heat Pump to Calculate and Analyze Coefficient of Performance	Eleanor Bloom, James Tinjum (Mentor)
Life Cycle Assessment of Interstate 94 Reconstruction in Kenosha County, Wisconsin	Eleanor Bloom, Angela Pakes Ahlman (Mentor)
Long-Term Changes in Dissolved Oxygen Concentrations of Lake Mendota	Thomas Shannon, Mark Vander Zanden (Mentor)

SIFT & WINNOW

Title	Presenters and Mentors
The Effects of Transforming Growth Factor Beta on Growth of a Follicular Thyroid Carcinoma Cell Line	Holly Helein, Ricardo Lloyd (Mentor)
Sleep Quality Measures Predict Psychological Functioning Following Stem Cell Transplantation	Alicia Luedtke, Erin Costanzo (Mentor)
Predictors of Post-traumatic Growth Among Stem Cell Transplant Recipients	Jessica Schwartz, Erin Costanzo (Mentor)
Feeling Stressed? Physiological and Psychological Health Implications	Elizabeth Sargent, Mike Veldhuis, Marcia Slattery (Mentor)

TRADITIONS

Title	Presenters and Mentors
Improving the Drinking Water Quality in Delhi, India	Brandon Chic, Laura Grossenbacher (Mentor)
Reducing Barriers to Soil Testing: Developing an Inexpensive Bioavailable Lead Test	Josh Horman, Shannon Plunkett, Douglas Soldat (Mentor)
The Power of Urban Agriculture to Transform a City	Aislinn Koehler, Leann Tigges (Mentor)
Biosphere Reserves: a Comparison of Their Goals, Strategies, and Effectiveness	Owen Schneider, Patricia Kuntz, Aidan Mazur, James Berkelman (Mentor)

WISCONSIN IDEA

Title	Presenters and Mentors
Identifying Proteins That Associate With Bicaudal-C During Translational Repression	Thomas Feustel, Michael Sheets (Mentor)
Chemotactic Gradient Hydrogels for Axonal Guidance	Susanna Kwok, Megan Jensen (Mentor)
Characterization of the Role of Fyve-Domain Containing Proteins in Autophagy Route in Arabidopsis	Christopher Lee, Faqiang Li (Mentor)
Amyotrophic Lateral Sclerosis in the Diaphragm: Effects and Potential Treatments	Alexander Moroz, Masatoshi Suzuki (Mentor)
Synthesis and Support Effects on Ptmo Activity for Water-Gas Shift	Thejas Wesley, James Dumesic (Mentor)

Session 2: 2:00 – 3:15 p.m.

AGRICULTURE A

Title	Presenters and Mentors
The Impact of Immunoglobulin Levels on Dairy Calf Weight at Nine Days of Age	Edwin Chen, Melissa Cornett (Mentor)
Determination of Colloid Osmotic Pressure in Cattle and Its Relationship to Other Serum Proteins	Jennifer Kish, Sheila McGuirk (Mentor)
Contribution of Overweight and Obesity to Co-Morbidities	Philip Rudnitzky, Jarjeh Fang (Mentor)

AGRICULTURE B

Title	Presenters and Mentors
Impact of a Mindfulness Intervention on the Deficits Seen in Heavy Media Multitaskers	Thomas Gorman, Christopher Green (Mentor)
Implication of the Social Security Notch on Intergenerational Wealth Transfer	Malcolm Shao Fong Kang, Teng Kok Tan (Mentor)
Long-Term Effects of Early Life Experience on Immune Function in Non-Human Primates	Mengyao Niu, Allyson Bennett (Mentor)
Trauma as a Vector for Peacebuilding in Post-Atrocity Societies	Allison Perlin, Scott Straus (Mentor)

FIRST NATIONS

Title	Presenters and Mentors
Nonacclimated Root Frost Tolerance in Goldenrod Species in the Biocore Restoration Prairie	Emma Geiduschek, Ellen Damschen (Mentor)
Pollen Competition in Alfalfa (<i>Medicago Sativa</i>)	Joshua Kluever, Austin Bauer (Mentor)
Jaz Hands: Creating a Hormone Imaging System	Dirk Spencer, Simon Gilroy (Mentor)
Characterization of Non-Plastidic Arogenate/Prephenate Dehydrogenase Activity in Three Plant Species	Kelly Wallin, Hiroshi Maeda (Mentor)

INDUSTRY B

Title	Presenters and Mentors
Pattern Learning and Recognition in Children	Ann Chapman, Molly Yunker (Mentor)
Center for Child and Family Well-Being	Kristen Field, Kristen Krueger, Julie Poehlmann-Tynan (Mentor)
The Effects of Positive and Negative Mood on Learning	Finola Kane-Grade, Seth Pollak (Mentor)
The Implications of U.S. Corporate "Investment" in Girls' Education in the Global South	Arashjot Kaur, James Lapierre, Kathryn Moeller (Mentor)

Children's Perceptions of Social Hierarchies

Rachel King, Kristin Shutts (Mentor)

LANDMARK A

Title	Presenters and Mentors
The Effect of Attorney Attractiveness on Success Before the United States Supreme Court	Brock Gilsdorf, Ryan Owens (Mentor)
Toxic Torts: Win Big Or Lose Worse	Nathan Jamieson, Richard Keyser (Mentor)
A Comparison of Intentional Communities in North America and the Laws Influencing Them	Mandy Joers, Richard Keyser (Mentor)
Are State Supreme Courts Using Their Public Information Offices Strategically? (Working Title)	Donya Khadem, Kayla Hui, Ryan Owens (Mentor)
The Use of Negative Language in Dissent by the U.S. Supreme Court	Minh Pham, Ryan Owens (Mentor)

LANDMARK B

Title	Presenters and Mentors
Sesame Street Study	Rachel Alter, Brianna Sewell, Julie Poehlmann-Tynan (Mentor)
Communicating the Achievement Gap	Alexa Grunwaldt, Tyriek Mack, Susan Robinson (Mentor)
Trust in Education Policy Implementation	Sylvia Los, Erica Turner (Mentor)
Glass in Class	Xiang Zhi Tan, Bilge Mutlu (Mentor)
Learning Through Design: Aris	Rachelle Vang, David Gagnon (Mentor)
Immigrant Families: Literacy and Identity Development	Andrew Rose, Catherine Lilly (Mentor)

NORTHWOODS B

Title	Presenters and Mentors
Relationship Between Geographical Location and Behavioral Aggregation	Amal Ayesch, Meghan Fitzgerald (Mentor)
Orographic Barriers and Their Effects on Precipitation	Cody Kuchinski, Tristan L'ecuyer (Mentor)
Are You Prepared for Coastal Hazards? Risk Communication in the Great Lakes	Leanna Mata, Jane Harrison (Mentor)
Dane County Alternative Education Initiative	Lauren Lange, Maxwell Courtright, Kimber Wilkerson (Mentor)

SIFT & WINNOW

Title	Presenters and Mentors
The East Greeks and Egypt: The Art and Graffiti of Carian and Ionian Mercenaries in the Saite Period	Erin Lawrence, William Aylward (Mentor)
Relating Christian Exiles and Cartographical Developments in the 16th Century	Maeve McDermott, Lee Wandel (Mentor)
Seneca's Epistle 47: An Instructional Attempt for Improved Treatment of Slaves	Gretchen Miron, Marc Kleijwegt (Mentor)
Children at Work: Childhood Labor in the Ancient Greek World	Megan Ness, Claire Taylor (Mentor)
A Reel Conversion: How Viewing Left Behind Prolongs the Evangelical Conversion Ritual	Kurt Wieters, Corrie Norman (Mentor)

Continued on next page

Talks *continued*

TRADITIONS

Title	Presenters and Mentors
Lusk Raids: Repression and Response	Ben Agatston, Alfred McCoy (Mentor)
What Does Metropolis Have to Do With Jerusalem? Superman in the Study of Religion	Daniel Bliss, Corrie Norman (Mentor)
The Historical Perception of the 1157 Earthquake of Shaizar	Alli Shaadie, Elizabeth Lapina (Mentor)
Osman Hamdi Bey's Orientalism and the Re-Historicizing of the Ottoman Orient	Samantha Timm, Jennifer Pruitt (Mentor)

WISCONSIN IDEA

Title	Presenters and Mentors
The Characterization of African American Mothers and Motherhood	Adetola Coker, Brigitte Fielder (Mentor)
Mapping Feminist-Religious Discourse: Identity, Community, and Coalition Building Online	Chelsea Cornelius, Corrie Norman (Mentor)
Gender, Race, and Political Incorporation in the Andes	Joyce Jimenez, Christina Ewig (Mentor)
Black Women Writing Bildungsroman Stories: The Metaphysical as Liberating Trope	Kiana Murphy, Amaud Johnson (Mentor)
Women's Empowerment in Agriculture and Food Security	Patricia Paskov, Jennifer Alix-Garcia (Mentor)

Session 3: 3:30 – 4:45 p.m.

AGRICULTURE A

Title	Presenters and Mentors
Development of an Autonomous Prostate Brachytherapy Robot	Jennie Aylung, Lindsay Bodart, Bruce Thomadsen (Mentor)
Treatment of Pik3Ca and Apc Mutant Colorectal Cancers With Dual Pi3K/Mtor Inhibition	Tyler Foley, Dustin Deming (Mentor)
The Effects of Obesity on Recovery After Endometrial Cancer Surgery	Keayra Morris, Erin Costanzo (Mentor)

ALUMNI

Title	Presenters and Mentors
Physiological Importance of the Regulation of (P)Ppgrp on Xprt in Bacillus Subtilis During Stress	Aili Hao, Jue Wang (Mentor)
Regenerating Vocal Fold Tissue: Biomaterial Injectables for in Vivo Animal Models	Katarina Rosich, Susan Thibeault (Mentor)
The Neural Mechanisms Underlying Visual Motion Perception	Weeden Bauman, Bas Rokkers (Mentor)
Population Dynamics of Candidatus Accumulibacter in Ebpr Systems	Yujin Lee, Ben Oyserman (Mentor)

GOVERNANCE

Title	Presenters and Mentors
Women's Rights and Constitutional Reform in Maghreb	Tasneem Amro, Aili Tripp (Mentor)
Pervasive Pessimism: Explaining Discontent in Postcommunist Bulgaria	Omer Arain, Boriana Nikolova (Mentor)
Security of East Asia With Focus on the Republic of Korea	Andrew Park, Edward Friedman (Mentor)

INDUSTRY A

Title	Presenters and Mentors
Long-Term Effects of Concussion on Female Athletes	Cassarini Kristen, Kristen Pickett (Mentor)
Cardiorespiratory Fitness Alters the Effect of Family History of Alzheimers Disease on Medial Temporal Brain Structures	Lena Law, Ozioma Okonkwo (Mentor)
Modeling the Temporal Dynamics of Human Categorization Behavior	Qihong Lu, Timothy Rogers (Mentor)
Oxygen Uptake Efficiency Slope Measures Cardiorespiratory Fitness and Predicts Alzheimer Biomarkers	Sherman Yu, Ozioma Okonkwo (Mentor)

INDUSTRY B

Title	Presenters and Mentors
Fabry-Perot Observations of Lunar Exospheric Potassium Emission	Nicholas Derr, Susan Nossal (Mentor)
Cobalt Phosphosulfide (Cops) as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction	Michael Stone, Song Jin (Mentor)
Adsorption of Ammonia to Divalent Transition Metal Atoms in Zeolites	Pajeon Uchupalanun, Florian Goeltl (Mentor)
Synthesis and Quantification of the Secondary Organosulfate Derived from 2-Methyl-3-Buten-2-Ol (Mbo)	Steven Underwood, Frank Keutsch (Mentor)

LANDMARK A

Title	Presenters and Mentors
Maximal Heart Rate Differs Between Laboratory and Field Conditions Among Female Athletes	Carol Coutinho, Andrew Watson (Mentor)
Life Course Predictors of Asthma Risks in a Large Clinical Population: Age, Sex, and Bmi	Jarjeh Fang, Lawrence Hanrahan (Mentor)
Prevention of Bloodstream Infections from Central Line Venous Catheters	Carlos Galvan, Nasia Safdar (Mentor)
Bridging the Gap	Leah Walker, Yvette Egan (Mentor)

LANDMARK B

Title	Presenters and Mentors
The Possible Relationship Between GnRH and Mkrn3 With Puberty	Wanjia Guo, Ei Terasawa-Grilley (Mentor)
What Is the Best Method to Model Astrocytosis?	Jin Kwon, Matthew Jensen (Mentor)
The Effect of Folic Acid on Central Nervous System Regeneration in Vitro	Evan Maltz, Bermans Iskandar (Mentor)
Sex Differences in Response to Growth Factor Agonist in Hippocampal Neurons After in Vitro Ischemia	Wendy Sun, Pelin Cengiz (Mentor)

NORTHWOODS B

Title	Presenters and Mentors
Community-Based Water-Borne Disease Prevention in Rural Ecuador	Erin Crain, Catherine Woodward (Mentor)
Crested Guan Conservation in Mexico and Latin America	Antonio Del Valle, Samantha Buechner, Mary Schneider, James Berkelman (Mentor)
Environmentally Friendly Robot: Protecting Natural Reserves Against Random Littering	Xiang Deng, William Sethares (Mentor)
Coastal Zone Management in Mexico	Rachael Klicko, Jade Arneson, Jessica Brings, Jill Gorges, James Berkelman (Mentor)

TRADITIONS

Title	Presenters and Mentors
Evaluation of the Efficacy of Television as Enrichment in Rhesus Macaques (Macaca Mulatta)	Stephanie Hoker, Katherine Habbel, Peter Pierre (Mentor)
Recycled Materials Resource Center System-Wide Life Cycle Benefits of Recycled Materials	Bharat Madras Natarajan, Angela Pakes Ahlman (Mentor)
Great Lakes Stories: Using Story Maps to Communicate the Impact of Wisconsin Sea Grant	Joel Villarreal, David Hart (Mentor)
A Mixed-Methods Approach to Identifying and Describing Health Priorities in Rural Uganda	Carly Malave, Sarah Paige (Mentor)

WISCONSIN IDEA

Title	Presenters and Mentors
Housing First for Families: A Review of Case Manager Best Practices	Matthew Holtz, Peter Miller (Mentor)
Understanding Social Justice for Families With Children With Disabilities	Andalusia Masad, Elizabeth Larson (Mentor)
Teaching English in Rural Honduras	Hasan Nadeem, Lori Diprete Brown (Mentor)
Trans-National Families and Identities	Thang Nguyen, Catherine Lilly (Mentor)
Patience and Altruism of Parents: Implications for Children's Education Investment	Jinghao Yang, Steven Durlauf (Mentor)

Posters ALL POSTERS IN VARSITY HALL

Session 1: 12:30 - 1:45 p.m.

PS#	Title	Presenters and Mentors
1	Influence of Salivary Quality on Swallowing-Related Outcomes	Bethlehem Abebe, Nicole Pulia (Mentor)
2	Effects of P2X7 on 5-Lipoxygenase: An In-Depth Understanding of Asthma	Juan Aguirre, Elon Roti Roti (Mentor)
3	Inhibition of Histone Deacetylation (Hdac) Through Bmps Alters Mouse Prostate Development	Helene Altmann, Chad Vezina (Mentor)
4	Cellular Reprogramming by Introduction of Er, Gata3 and Foxa1 to Recover Estrogen Responsiveness	Nina Anbouba, Elaine Alarid (Mentor)
5	Are Individual Differences in Physiological Responses to Exercise Training Maintained Into Old Age?	Ellie Anderson, Gary Diffie (Mentor)
6	Nursing Support of School-Age Children With a Chronic Illness and Their Parents to Learn Self-Care	Alison Arensdorf, Karen Pridham (Mentor)
7	Establishing the Effects of Phosphorylation on Single Stranded DNA Binding Protein Activity	Louis Baeseman, James Keck (Mentor)
8	The Menominee Transcription Project	Faith Bowman, Monica Macaulay (Mentor)
9	Effects of Levodopa and Vocal Therapy in a 6-Ohda Rat Neurotoxin Model of Parkinson Disease	Alexander Brauer, Michelle Ciucci (Mentor)
10	The Effect of Antibodies on the Immune System's Response to Infection	Caroline Brown, Daniel Butz (Mentor)
11	Quantifying Growth of C2-C7 Vertebrae in Pre-Pubescent Children	Anna Buchholz, Meghan Cotter (Mentor)
12	Cross-Informant Agreement on Behavior of Children With an Incarcerated Parent	Kathryn Bursinger, Julie Poehlmann-Tynan (Mentor)
13	Figurines from Pre-Colonial India	Katelyn Callies, Jonathan Kenoyer (Mentor)
14	The Role of Chondroitin Sulfate Proteoglycans in Recovery After Focal Cerebral Infarction	Claire-Marie Canda, Lindsey Jager (Mentor)
15	Further Investigation of Interactions Between Aromatase-Expressing Cells and GnRH Fibers	Taylor Cesarz, Ei Terasawa-Grilley (Mentor)
16	Structural Determination of the Wbkc Enzyme from Brucella Abortus	Daniel Chantigian, Hazel Holden (Mentor)
17	Dark Energy Measurements Using a Cylindrical Radio Telescope	Aleks Cianciara, Ying Lu, Catherine Steffel, Peter Timbie (Mentor)
18	Impacts of Best Management Practices on Stream Quality Within Chequamegon-Nicolet National Forest	Margot Cumming, Barbara Peckarsky (Mentor)
19	Effect of Mboa on Plant-Growth Promoting Bacterium Rhizobium Pusense Irbg74	Audrey Dalgarno, Matthew Crook (Mentor)
20	The Role of Nitrate in Iron's Biogeochemical Cycle	Manish Dhungana, Jacqueline Mejia (Mentor)
21	Effects of Estrogen Metabolites on Nitric Oxide Production by Uterine Artery Endothelial Cells (Uaec)	Chariesse Ellis, Rosalina Villalon Landeros (Mentor)
22	Characteristics of Radiation-Induced Changes in Cultured Human Vocal Fold Fibroblasts	Gabrielle Enos, Susan Thibeault (Mentor)
23	Derivation of Region-Specific Astrocytes from Human Pluripotent Stem Cells	Maria Estevez, Randolph Ashton (Mentor)
24	To Till Or Not to Till: No-Till Better for Suppressing Clonal Weeds in the Biocore Prairie	Cristina Fischer, Janet Batzli (Mentor)

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Posters *continued*

PS#	TITLE	Presenters and Mentors
25	Blastomyces Dermatitis	Connor Gallaher, Kurt Reed (Mentor)
26	Retroviral Infection Activates Cell Contractile Forces in a Model 3-D Extracellular Matrix	Elijah Gomez, Jaye Gardiner (Mentor)
27	The Impact of Ddr2 on Cell Migration and Proliferation in Breast Cancer	Madeline Gore, Esteban Carrillo (Mentor)
28	Determining Patterns of Pollen Collection by Honey Bees	Nicholas Gretzon, Daniel Minahan (Mentor)
29	A Systematic Review to Find the Best Histological Method to Quantify Cerebral Infarction Volume	Crystal Hall, Matthew Jensen (Mentor)
30	Challenges of International Science: an Interdisciplinary Analysis of Stem Cell Research	Tianxiao Han, Linda Hogle (Mentor)
31	Histological Methods for Ex Vivo Axon Tracing	Cassandra Heilingoetter, Matthew Jensen (Mentor)
32	Research Notebooks, Information Overload, and the Digital Humanities	Ethan Kay, Joshua Calhoun (Mentor)
33	Echo Suppression and Sound Localization in 2- to 3-Year Old Children	William Keener, Erica Ehlers (Mentor)
34	Mbd1 Regulation of Neuronal Maturation Through Gamma-Pcdh	Laurel Kelnhofer, Xinyu Zhao (Mentor)
35	Kinetic Profiling of Candidatus Accumulibacter Phosphatis and Lab-Scale Reactor Optimization	Eng Hoe Khor, Brian Owen, Francisco Moya Flores (Mentor)
36	Targeting the Ppk1 Gene to Investigate Polyphosphate Accumulating Organisms in the Activated Sludge	Char'lee King, Francisco Moya Flores (Mentor)
37	Identifying GnRH Progenitor Cells in the Third Ventricle of Adult Rhesus Monkeys	Lucille Kohlenberg, Ei Terasawa-Grilley (Mentor)
38	Spacing Your Own Learning: Differences in Strategy Adoption Between Preschoolers and Adults	Carla Kraft, Emily Katz, Molly Pugh, Haley Vlach (Mentor)
39	Receptive Vocabulary in Jailed Parents, Their Children, and Their Children's Caregivers	Melissa Kuik, Julie Poehlmann-Tynan (Mentor)
40	Early Life Stress, Depression, and Cortisol's Effects on Emotional Memory	Amy Lang, Heather Abercrombie (Mentor)
41	Plant Genetics and Environment Shape Plant Tolerance and Resistance to Herbivory	Sophia Lawrence, Hilary Bultman (Mentor)
42	Urinary Biomarkers of Food, Medicine and Disease in Preterm Newborns	Brad Maerz, Emily Sheely, Kristy Stevlingson, Sarah Brenner (Mentor)
43	Dhea & Dhea-S Concentrations Predict Subjective Sleep Quality	Kelly Martin, Danielle Rendina (Mentor)
44	U1C Wild Type and Mutant L13F Protein Binding Affinities to 5' Splice Site RNA	Hannah Mast, Aaron Hoskins (Mentor)
45	Determining Thermophysical Properties of Wisconsin-Native Rocks for Geothermal Application	Levi Mitchell, James Tinjum (Mentor)
46	3D Printing the Perfect Trumpet Mouthpiece	Daniel Montez, Duncan Carlsmith (Mentor)
47	Comparing Insect Biomass Variation Around Northern Wisconsin Lakes	Ingrid Moreno, Paul Schilke (Mentor)
48	Rhodospseudomonas Palustris as a Platform for Selective Removal of Aromatics from Complex Media	Kaitlin Morse, Alexandra Fasking, Julian Oshlag (Mentor)

PS#	TITLE	Presenters and Mentors
49	Does the I427V-Snta1 Mutant Lead to an Increase in Late Sodium Current Associated With Lqts?	Joseph Mueller, Jonathan Makielski (Mentor)
50	Using Camera Capturing to Assess White-Tailed Deer Browse Indices in Northern Wisconsin Forests	Andy Muench, Eric Kruger (Mentor)
51	Star Employee Effects on Coworker Performance	Jared Muench, Paul Davis (Mentor)
52	Lifetime Physical Activity and Hippocampal Volumes in Healthy Mid-Life and Older Adults	Lynn Nakad, Elisa Torres (Mentor)
53	Behavior of Polymer-Modified Bentonite in Contact With Aggressive Leachates	Alex Newell, Hulya Salihoglu (Mentor)
54	Invariants and Moving Frames for Polygons in Galilean and Lorentzian Geometries	Phu Nguyen, Adrien Bossogo-Egoume, Thomas Hameister, Gloria Mari-Beffa (Mentor)
55	Statistical Analysis of Crispr-Cas9 Genetic Engineering Reaction Parameters in Drosophila	Jennifer Nguyen, Jill Wildonger (Mentor)
56	The Empirical Relationship Between Financial Leverage, Trading Volume, Monetary Policy, and Market Volatility	Ramon Ortiz, Bjorn Eraker (Mentor)
57	Parental Care in the Early Environment: Relation to Depression	Elizabeth Osterbauer, Heather Abercrombie (Mentor)
58	Understanding the Mechanisms Driving Gene Expression by Zelda in the Fruit Fly	Juliana Panelli, Melissa Harrison (Mentor)
59	Quantifying Habitat and Physiological Stress of Nesting Acadian Flycatchers (Empidonax Vireescens)	Maia Persche, Anna Pidgeon (Mentor)
60	Implications of Attributions for Fathers of Children With Autism Spectrum Disorder	Katie Phillips, Matt Walczak, Sigan Hartley (Mentor)
61	Acceptability of Long-Acting Reversible Contraception (Larc) Among Young Women in Dane County	Helen Powlung, Grace Skarda, Jennifer Higgins (Mentor)
62	Visualizing Epigenetic and Morphological Change via Multi-Transgenic Human Pluripotent Stem Cells	Ryan Prestil, Krishanu Saha (Mentor)
63	Sex Hormones Affect Insulin Signaling in Mouse (Mus Musculus) Liver Cells	Cassidy Pumper, Dudley Lamming (Mentor)
64	Predictive Modeling for Chemical Synthesis in Cyanobacteria	Patrick Radish, Brian Pflieger (Mentor)
65	Calibration of Functional MRI to Improve the Longitudinal Assessment of Motor Recovery After Stroke	Ryan Raut, Vivek Prabhakaran (Mentor)
66	Pad4 Does Not Affect the Transcriptional Regulation of Inflammatory Cytokines in Murine Neutrophils	Ryan Rebernick, Miriam Shelef (Mentor)
67	How Yoga Improves the Adverse Effects of Cancer Treatment in Adults: A Systematic Review	Emi Reiner, Mary Hitchcock, Bianca Nelson, Laura Priddy, Emi Reiner, Brooke Sarver, Anna Spillers, Hannah Stellpflug, Mara Stewart, Elana Taute, Abigail Traylor, Elisa Torres (Mentor)
68	Developmental Changes in Regulation of GnRH Release by Kisspeptin in the Male Rhesus Monkey	Dustin Richter, Ei Terasawa-Grilley (Mentor)
69	The Micro-Distillery Category and Its Identity as Part of the American Economic System	Steven Ritter, Shannon Younger (Mentor)
70	Do Feelings of Power Impact Responses to Advice?	Shawna Rivedal, Lyn Van Swol (Mentor)

PS#	TITLE	Presenters and Mentors
71	Investigating Interfacial Electron Transfer Between Chromium and Iron Minerals During Redox Cycling	Jared Rudolph, Elizabeth Tomaszewski (Mentor)
72	How Do We Know If Interveners Carry Out Research Protocols as Planned?	Hector Salazar, Heather Johnson, Wan-Chin Kuo, Diane Lauver (Mentor)
73	Identification of Residues Governing Ligand Recognition in LuxR Homologs	Trevor Schell, Helen Blackwell (Mentor)
74	The Effect of Sedentary Behavior on Mood in Women With Major Depressive Disorder	Lauren Schlapman, Jacob Meyer (Mentor)
75	Domestication of Brassica Rapa in Latin America	Elena Schmelzer, Noah Bevers, Alex Mcalvay (Mentor)
76	Studies of Omega-3 Fatty Acids as a Treatment for Traumatic Brain Injury	Jocelyn Seppala, David Wassarman (Mentor)
77	Consonant Production in Heritage Speakers of Spanish	Noemy Serrano, Andy Diaz, Rajiv Rao (Mentor)
78	Evaluating the Acid Stress Response of E. Coli in Cft073	Minaliza Shahlapour, Rodney Welch (Mentor)
79	Significance and Causation of Disturbance Rings in Freshwater Mussels	Hailey Shanovich, Vincent Butitta (Mentor)
80	Impact/Behavioral Analysis of Wisconsin Conservation	Kyle Sherman, Jill Sakai (Mentor)
81	Marital Intimacy and Parent-Child Closeness in Families With Children With Autism Spectrum Disorder	Chloe Shmays, Shari Blumenstock, Sigal Hartley (Mentor)
82	Silences in Conversational Speech: Embodied Actions During Silences	Brennyn Sibley, Joshua Raclaw (Mentor)
83	Ischemia-Induced Expression Changes of Glucagon Family Peptides in Macrophage and Neuronal Cells	Nausheen Singh, Umadevi Wesley (Mentor)
84	Characterizing the Function and Evolution of Fatty Acid Reductases in Drosophila	Kailey Slavik, Hock Chung (Mentor)
85	Effects of Early Life Stress on Neurocognitive Function	Joanna Swinarska, Seth Pollak (Mentor)
86	Teb, a Thermoelectric Bracelet to Improve Personal Thermal Comfort	Jason Sylvestre, Kevin Ponto (Mentor)
87	Immigrant Families: Literacy and Identity Development Over Time and Space	Shannon Thao, Caroline Gasao, Catherine Lilly (Mentor)
88	Nonprofit Organizations and Birth Outcomes (Nobo)	Angela Thao, Amy Hilgendorf (Mentor)
89	Effect of Visual Benchmarks on Ambulation of Hospitalized Older Adults	Eric Tourbier, Barbara King (Mentor)
90	Young Children of Incarcerated Parents: Child Distress Levels After Witnessing Crime and Arrest	Carly Tucker, Luke Muentner, Julie Poehlmann-Tynan (Mentor)
91	Mechanism of the Antimicrobial Peptide Indolicidin on the Cytoplasmic Membrane of E. Coli	Meghan Turner, James Weisshaar (Mentor)
92	Transplantation of Hesc-Derived Neural Progenitor Cells to Improve Functional Motor Performance in a Rat Model of Tbi	Ryan Valk, Ronald Kalil (Mentor)
93	Using Micro Satellite Markers to Determine Genetic Diversity in Hyles Lineata from Arizona and Wisconsin	Patrick Van House, Jillian Henss (Mentor)
94	Medical Device Awareness in a Hospital Setting	Priya Varghese, Peter Van Beek, Christopher Crnich (Mentor)
95	Achieving a Versatile Mouse Model for Screening Neuronal Development	Dimitar Vassilev, Yina Xing (Mentor)

PS#	TITLE	Presenters and Mentors
96	Determining the Mechanism of Colocalization of Ribosomal RNA Operons in E. Coli	Andrew Vogel, Richard Gourse (Mentor)
97	Characterizing Dopaminergic Neuron Loss in Drosophila Scarlet Mutants	Katherine Waldeck, Daniel Babcock (Mentor)
98	Inbreeding, Low Genetic Diversity and Low Spatial Genetic Structure in Two Hawaiian Lobeliads	Kelly Wallin, John Brennan, Antonio Del Valle, Aidee Guzman, Heather Jennings, Stephaney Olson, Thomas Givnish (Mentor)
99	Cooperativity of $n \rightarrow \pi^*$ Interactions	Kelly Wallin, Ronald Raines (Mentor)
100	Innovative Wastewater Treatment With Anaerobic Ammonium Oxidizing Bacteria	Coty Weathersby, Christopher Lawson (Mentor)
101	Reading the Traces: Use-Alteration Analysis of Bronze Age Pottery from Klazomenai, Turkey	Tasia Williams, William Aylward (Mentor)
102	Triggering Cell Fate Changes with Artificial Transcription Factors (Atf)	Matthew Wleklinski, Asuka Eguchi (Mentor)
103	A New Method for Copper-Catalyzed Aerobic Oxidation of Bidentate Substrates	Tianyao Wu, Scott McCann (Mentor)
104	Cherenkov Telescope Array: A Next-Generation Telescope for Very-High-Energy Gamma Ray Photons	Tianyao Wu, Colin Adams, Justin Vandembroucke (Mentor)
105	Protective Effects of Sigma Receptor Ligands in Arpe19 Cells	Annie Yao, Lianwang Guo (Mentor)
106	The Perceptions of Environmental Services Staff Regarding Ultraviolet Light Disinfection	Brianna Young, Nasia Safdar (Mentor)
107	Recovery of Functioning Following Hematopoietic Stem Cell Transplant	Cassandra Zahn, Erin Costanzo (Mentor)

Session 2: 2:00 – 3:15 p.m.

PS#	Title	Presenters and Mentors
108	The Role of Community Advisory Boards in Conducting Research in African American Communities	Carly Babino, Kimberlee Gretebeck (Mentor)
109	Engaging Community Members in Mental Health and Primary Care Integration Research	Kelcie Baior, Natalie Decheck (Mentor)
110	Identifying the Genetic Bases and Mechanisms of Plant Susceptibility	Madeline Berkvam, Hilary Bultman (Mentor)
111	The Effect of Rho Gtpases on Breast Cancer Cell Protrusions in Collagen Matrices	Reed Bjork, Suzanne Ponik (Mentor)
112	Effects of Cross-Linguistic Similarities on Reading Abilities in Bilingual Children	Natalie Bowman, Margarita Kaushanskaya (Mentor)
113	Bone Analog for Validation of Medical Image Based Analysis and Mechanical Testing of Long Bones	Matthew Boyer, Heidi-Lynn Ploeg (Mentor)
114	In-Vivo Validation of 4D-Flow Mri for the Assessment of Portal Hypertension	Camilo Campo, Alejandro Roldan (Mentor)
115	Dissecting the Sumo Pathway in Maize and Its Roles in Stress Protection	Nahin Cano, Robert Augustine (Mentor)
116	Kinematic and Kinetic Asymmetries During a Vertical Jump Following Acl Reconstruction	Joshua Choe, Bryan Heiderscheid (Mentor)
117	Analyzing the Repression Functions of the Bicaudal-C Protein: A Regulator of Vertebrate Development	Andy Chung, Nithin Charly, Michael Sheets (Mentor)
118	Exercise and Gait in Parkinson Disease	Vaughan Collins, Kristen Pickett (Mentor)

Continued on next page

Posters *continued*

PS#	TITLE	Presenters and Mentors
119	Toddlers' Learning from Touchscreens	Hailey Deluca, Mary Matoba, Michelle Riesenfeld, Marissa Savitch, Heather Kirkorian (Mentor)
120	Communicating Science Concepts to Adults and Children	Elizabeth Duchow, Emily Bero, Haley Vlach (Mentor)
121	Tracking Candidatus Accumulibacter Clade Abundance Over Several Stepwise Oxygen Reductions	Matthew Dysthe, Natalie Keene (Mentor)
122	Reporter Lines for Directed Differentiation of Retinal Cell Types from Human Pluripotent Stem Cells	Zachary Erlichman, Elizabeth Capowski (Mentor)
124	Immigrant Families: Literacy and Identity Development Over Time and Space	Gabrielle Tielman-Fenelus, Andrew Rose, Catherine Lilly (Mentor)
125	Fcgr3A and Fcgr2C Variability: Copy Number and Single Nucleotide Polymorphisms	Mikayla Gallenberger, Jacquelyn Hank (Mentor)
126	Folic Acid Induced Cns Regeneration Is Mediated Directly Through Neurons	Wil Gibb, Joslyn Strebe, Bermans Iskandar (Mentor)
127	Tracheal Regeneration in the Adult Drosophila Nervous System	Cayla Guerra, Grace Boekhoff-Falk (Mentor)
128	Does Hive Placement Affect Apis Mellifera (Hymenoptera: Apidae) Fidelity to Cranberry?	Aidee Guzman, Christelle Guedot (Mentor)
129	Video Game Motor Learning in Autism	Larissa Hacker, Andres Gomez, Brittany Travers (Mentor)
130	Case Study of Successful Spinal Cord Stimulator in Patient With Bilateral Crps I	Rewais Hanna, Alaa Abd-Elsayed (Mentor)
131	Response of Geosynthetic Clay Liners Permeated With Low-Level Radioactive Leachate	Bennett Hasseldeck, Kuo Tian (Mentor)
132	Substance Abuse Disorder as a Distinction Between Primary and Secondary Subtypes of Psychopathy	Brandi Hefty, Michael Koenigs (Mentor)
133	Isolation of Borrelia Burgdorferi in Environmental Specimens	Stefanie Henry, Rebecca Osborn (Mentor)
134	The Effects of Mglur2 Agonist Dcg-iv on Hippocampal Dentate Gyrus Epileptiform Activity	Christian Hernandez, Brandon Wright (Mentor)
135	Expression and Purification of Core Components of Hiv-1'S Rev-Dependent Nuclear Export Complex	Christina Higgins, Ryan Behrens (Mentor)
136	Effects of Topical Corticosteroid Administration on Intraocular Pressure in Cats	Adam Hoefs, Mary Mohr, Lauren Rutkowski, Daniel Shinsako, Gillian Mclellan (Mentor)
137	Effects of Employee-Client Co-Mobility	Leah Jacobs, Joseph Raffiee-Shirazi (Mentor)
138	Analysis of the D. Melanogaster Gene, Bond, Involved in the Production of the Male Pheromone, Ch503	Jessa Justen, Hock Chung (Mentor)
139	Effect of Past Vegetation Change on Soil Formation Near Praire-Forest Border in Northern Minnesota	Hawa Keita, Joseph Mason (Mentor)
140	Candidatus Accumulibacter Phosphatis Population Structure: Design and Evaluation of Ppk1 Clade-Specific Primers	Jia Hui Khoo, Pamela Camejo Medranda (Mentor)
141	Contemplative Practice and the Interaction of Stress, Affect, and Self-Regulation	Rachel Koszalski, David Findley (Mentor)
142	Engineering Saccharomyces Cerevisiae to Improve Production of Second Generation Biofuels	Molly Krause, Audrey Gasch (Mentor)
143	Differential Expression of Cytokines and Growth Factors in Glioblastoma Stem Cells	Carolina Larrain, Umadevi Wesley (Mentor)

PS#	TITLE	Presenters and Mentors
144	Effect of Poaic Acid Biofungicide on Drosophila Suzukii Mortality and Development	Kathryn Leclaire, Christelle Guedot (Mentor)
145	Establishing Systems to Examine Anti-Tumor Efficacy and Immune Inhibition of Novel Tk Inhibitors	Lauren Lever, Paul Sondel (Mentor)
146	Alkaline Phosphatase Structure Expected to Influence Heat Stability	Joseph L'huillier, Adam Miller, Michelle Harris (Mentor)
147	Children's Social Inferences in the Food Domain	Kailyn Longueville, Ashley Jordan (Mentor)
148	Quantitative Investigation of Flowering Trait Genes in B. Rapa Aimed at Enhancing Genetics Education	Alexander Lopez, Noah Richter, Jacob Zasada, Scott Woody (Mentor)
149	Reflectance of Glaucomatous and Non-Glaucomatous Sclera Tissue	Melanie Loppnow, Gillian Mclellan (Mentor)
150	Teachology: Where Technology Meets Effective Teaching.	Daniel Ma, Grace Binder, Leah Bullock, Karissa Giller, Lars Lindqvist, Lindsay Stoetzel (Mentor)
151	Synthesis of Semifluorinated Amphiphiles Designed to Form Micelles for Use in Drug Delivery	Eric Madsen, Sandro Mecozzi (Mentor)
152	Corporatized Development in Public Education in Brazil	Joao Pedro Magalhaes Souto Maior, Kathryn Moeller (Mentor)
153	Community Compost Collection	Anna Marsicek, Tyler Anderson, Jackson Froiland, Norah Ntambi, Elizabeth Sequin, James Ntambi (Mentor)
154	Vitamin D3, But Not 25-(Oh)D3 Or 1, 25-(Oh)2D3, Is Required for the Development of Eae	Victoria Martino, Yanping Wang (Mentor)
155	Understanding the Consequences of Employee-Client Co-Mobility in Knowledge Intensive Service Firms	Sanchay Mathur, Joseph Raffiee-Shirazi (Mentor)
156	Geothermal Heating and Cooling Performance Monitoring at Epic Systems	Adam Mcdaniel, James Tinjum (Mentor)
157	Intrinsic Migratory Ability of Interneuron Progenitors in Down Syndrome	Margaret Medo, Anita Bhattacharyya (Mentor)
158	Relationship Satisfaction, Quality of Life, and Sexuality Following a Kidney Transplant	Anna Melville, Rebecca Muehrer (Mentor)
159	Obtaining Information Through Educational Video Games	Vanessa Meschke, Craig Anderson (Mentor)
160	A Comparison of Receptive Vocabulary Assessments for Toddlers With Autism Spectrum Disorders	Kaitlin Meyer, Susan Ellis Weismer (Mentor)
161	Sox9B Is Necessary for Early Zebrafish Neurovascular Development	Kevin Miller, Jessica Plavicki (Mentor)
162	Liquid Microjet Production	Chris Miller, Jennifer Faust (Mentor)
163	Carbon-to-Nitrogen Ratios in Puerto Rican Soils of Different Land Uses	Sanobar Mirza, Maria Marin-Spiotta (Mentor)
164	ABCs of Waste	Breana Nehls, Marie Faust, Miles Tryon-Petith, Sabrina Bradshaw (Mentor)
165	Examining the Role of Fxr1 on Hippocampal Neurogenesis	Kelsey Nemece, Xinyu Zhao (Mentor)
166	Changes in Psychological Distress Following Hematopoietic Stem Cell Transplantation	Jeni Nestler, Erin Costanzo (Mentor)
167	White Individuals' Concern for Their Black Partner in an Interracial Interaction	Cecilia Olin, Patricia Devine (Mentor)

PS#	TITLE	Presenters and Mentors
168	The Effects of a Criminal Record on One's Workload in Dane County	Da'quan Palmer, Tiffany Trzebiatowski (Mentor)
169	Operation Mammy	Daria Powell, Nancy Buenger (Mentor)
170	Physical Activity, Quality of Life, and Anemia Among Stem Cell Transplant Recipients	Ilana Primack, Erin Costanzo (Mentor)
171	Mesenchymal Stem Cell-Educated Macrophages Role in Gvhd and Radiation Injury Protection	Lauren Reil, Myriam Bouchlaka (Mentor)
172	Learning, Representations, and Technology	Aditi Renganathan, Martina Rau (Mentor)
173	Efforts to Develop $\bar{1}$ / $\bar{1}$ -Peptide Mimics of the Z-Domain Targeting Tumor Necrosis Factor- $\bar{1}$ Signaling	Nicholas Rettko, Samuel Gellman (Mentor)
174	Using Loss on Ignition to Delineate Zones of High Organic Content in Lake Sediment from Ice-Proximal Lakes	Morgan Ripp, John Williams (Mentor)
175	Impact of Robotic Milk Plan on Time Spent at Solid Feed Bunk for 3-Week-Old Dairy Calves	Genesis Rodriguez, Melissa Cornett (Mentor)
176	Hospital Nurses' Perspectives of Fatigue and Coping in the Context of the Work System	Kelli Romine, Cassandra Brucker, Linsey Steege (Mentor)
177	Overexpression of Sox9B in Zebrafish Cardiomyocytes Partially Recapitulates Tcdd Cardiotoxicity	Matthew Russell, Warren Heideman (Mentor)
178	Oxythermal Stress of Cisco Under Changing Climate in Wisconsin	Alexa Sampson, Chin-Hsien Wu (Mentor)
179	Gender Differences in Self-Reported Traumatic Brain Injuries Among Wrap Participants	Danielle Schuld, Sterling Johnson (Mentor)
180	The Effects of Peptidyl Arginine Deiminase Ii in Neutrophil Extracellular Traps (Nets)	Daeun Shim, Miriam Shelef (Mentor)
181	Quantitative Mri-Derived Microstructural Features of the Central Visual Pathways in Glacoma	Alex Shimony, Gillian Mclellan (Mentor)
182	Longevity of Hdpe Geomembrane Exposed to Low-Level Radioactive Waste Leachate	Benjamin Stark, Kuo Tian (Mentor)
183	Simulating Magnetically Driven Astrophysical Jets With the Permanent Magnet Pulsed Jet Source	Aaron Stemo, Matthew Brookhart, Cary Forest (Mentor)
184	Function of Fmrp in Neural Stem Cell Maintenance and Its Role in Age Dependent Cognitive Decline	Michael Stockton, Yue Li (Mentor)
185	Characterization of Co-Culture Signaling Between Ovarian Cancer Cells & Tumor Associated Macrophages	Lauren Stopfer, Molly Carroll, Madalyn Pechmann, Olivia Velazquez, Pamela Kreeger (Mentor)
186	Effects of Dentate Gyrus Pathology on Pattern Separation	Mohammad Suleiman, Mathew Jones (Mentor)
187	The Effects of Increasing Disruptive Force on Aggregate Stability in Prairie and Agricultural Soils	Joe Sullivan, Nicholas Balster (Mentor)
188	Crosstalk Between RNA Binding Protein Hud and Transcription Factor Satb1 Regulates Neurogenesis	Joey Tidei, Xinyu Zhao (Mentor)
299	Optimizing Filtration and Preservation of Epithelial Cells from Urine	Michelle Tong, Krishanu Saha (Mentor)

PS#	TITLE	Presenters and Mentors
189	The English Language's Influence on the Spanish Pronunciation of Heritage Speakers	Alejandra Torres Diaz, Ricardo Zuniga, Rajiv Rao (Mentor)
190	A Study on Trichome Expression in Brassica Rapa and Future Educational Opportunities	Natalie Tupper, Sophie Carr, Kimberli Ward, Scott Woody (Mentor)
191	Metabotropic Glutamate Receptor-Homer1 Interaction and Its Role in Acquisition Or Consolidation of Memories.	Jeanet Ugalde, Corinna Burger (Mentor)
192	Investigating Fluid Flow Within the Vocal Fold Using Finite Element Analysis	Andrew Vamos, Jack Jiang (Mentor)
193	Territorial Conflict and the Role of Ethnicity	Leo Vartorella, Alli Abolarin, Chet Edelman, Aj Minucci, Andrea Quade, Nadav Shelef (Mentor)
194	Engineering Ribonuclease Inhibitor Variants to Resist Oxidation and Maintain Function	Quinn Vatland, Ronald Raines (Mentor)
195	Abcg2 Lineage Tracing to Identify Vocal Fold-Specific Progenitor Cells in a Mouse Progeny Model	Alice Wei, Nathan Welham (Mentor)
196	Complications of Collective Memory in Peru: A History of Marginalization, an Attempt at Inclusion	Alex Wills, Ksenija Bilbija (Mentor)
197	Cultural Awareness in Mentoring Relationships	Jessica Wu, Patrice Leverett (Mentor)
198	Change in Elastic Modulus in Nonpregnant Sheep Uterine Arteries in Response to Leptin	Jeannaej Rochelle Yambing, Vladimir Vargas (Mentor)
199	Impact of Flanking Residue Modifications on Binding Specificity of H3K9 Methylation Readers	Michael Zaiken, Rupa Sridharan (Mentor)
200	The Effect of Cumulative Disease on Post-Weaning Weight of Pure-Bred Holstein Dairy Heifers	Gabriela Zaldumbide, Melissa Cornett (Mentor)
201	Improving the Sensory Character of Soymilk by Decreasing Levels of Volatile Carbonyl Compounds	Bingxin Zhang, Michael Maranan, Davin Marta, Scott Rankin (Mentor)

Session 3: 3:30 - 4:45

PS#	Title	Presenters and Mentors
202	Isolating and Identifying Microbial Communities in the Copepod Eurytemora Affinis	Joseph Connolly, Martin Bontrager (Mentor)
203	A Desire to Contact: The Use of Social Media Use in Individuals With Genetic Disorders	Erin Kelleher, Philip Giampietro (Mentor)
204	Towards Optimization of a General RNA Labeling Deoxyribozyme	Matthew Ashton, Aaron Hoskins (Mentor)
205	Bridging the Gap	Emily Baranek, Eric Bahr, Shannon Behling, Rebecca Breitlow, Jeri Jo Cassidy, Victoria Enriquez, Hannah Hayes, Sarah Hinde, Jordan Hollenbeck, Katja Kane-Foempe, Allyson Kowaleski, Lauren Lawson, Alejandra Lira, Bryanne Sekeres, Megan Van Boxtel, Leah Walker, Yvette Egan (Mentor)
206	Project Build	Courtney Bergemann, Yanika Davis, Andrea Ruppap (Mentor)
207	Arabidopsis Thaliana Mutant Response to Environmental Stimuli That Mimic Components of Space Flight	Natasha Bilkey, Richard Barker (Mentor)

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Posters *continued*

PS#	TITLE	Presenters and Mentors
208	Effects of Adding Tannin Extract to Dairy Cow Diets on Ammonia Emission from Manure After Application	Amanda Borkowski, Michel Wattiaux (Mentor)
209	The Binaural Interaction Component: Stimulus Variation in Auditory Middle and Late Latency Responses	Sam Boroumand, Cynthia Fowler (Mentor)
210	Experimental and Numerical Investigation of Small Solute Chemical Interactions	Lixue Cheng, M Thomas Record (Mentor)
211	Detecting Deception Through Money Allocation	Lillian Childress, Lyn Van Swol (Mentor)
212	Developing Microenterprise Opportunities in Rural Ecuador for Better Health and Well-Being	Alexandria Cull, Lily Grant, Jennifer Knoepfel, Janet Niewold (Mentor)
213	Investigating the Role of Kdm3B, a Histone Demethylase, in the Acquisition of Pluripotency	Michael Diny, Khoa Tran (Mentor)
214	A Spatial Analysis of a Summer Cyanobacterial Bloom in Lake Mendota	Patrick Dowd, Robin Rohwer (Mentor)
123	Children's Representations of Attachment Relationships in Family Drawings	Kristen Field, Amy Yang Julie Poehlmann-Tynan (Mentor)
215	Quantifying Intestinal Leakage in <i>Drosophila Melanogaster</i> Following Traumatic Brain Injury	Julie Fischer, David Wassarman (Mentor)
216	Cover Crops for Small Scale Vegetable Production	Madeline Fischer, Elizabeth Bosak (Mentor)
217	Calculating the Galactic Rotation Curve of the Milky Way	Leah Fulmer, Clayton Bennett, David Carr, Jennifer Heup, Julia Mayeshiba, Snezana Stanimirovic (Mentor)
218	Ngc 5523: An Isolated Product of Soft Galaxy Mergers?	Leah Fulmer, John Gallagher (Mentor)
219	Star Employee Effects on Coworker Performance, Attraction, and Retention	Tianna Garcia, Paul Davis (Mentor)
220	Integrated Analysis Platform of Phospho-S6 in Renal Cell Carcinoma Circulating Tumor Cells	Benjamin Gibbs, Joshua Lang (Mentor)
221	Pre-Columbian Raised Fields on the Menominee Reservation	Tyler Gorski, William Gartner (Mentor)
222	The Neuropsychology of Self-Reflection in Psychiatric Illness	Conrad Gudmundson, Michael Koenigs (Mentor)
223	Regulation of Tsc-Mtor-Mediated Axon Guidance by Bdnf and Slit2 in Human Neurons	Kate Hagen, Timothy Gomez (Mentor)
224	Reported Outcomes of Psychoeducational Program for Family Caregivers: Benefits by Gender or Relation	Kari Hayat, Clifton Barber (Mentor)
225	Dcap: a Broad-Spectrum Antibiotic that Targets the Cytoplasmic Membrane of Bacteria	Victoria Heinrich, Katherine Hurley (Mentor)
226	Attaining Physical Activity Guidelines in University Undergraduate and Graduate Students	Blake Helton, Elizabeth Larson (Mentor)
227	Teaching Helping and Patience: TV Messages to Promote Prosocial Behavior in Children	Alexis Hernandez Abrego, Marie-Louise Mares (Mentor)
228	Biochemical Modifications and Folate-Induced Regeneration	Kaitlyn, Hopfensperger, Charles Withington, Bermans Iskandar (Mentor)
229	Altered MicroRNA Expression Profile in Human Fetal Cells from Pre-Eclampsia	Grant Hoppel, Chi Zhou (Mentor)
230	Damping of Bolted Metal Plates in Vibrational Environments	Kurt Hoppmann, Matthew Allen (Mentor)

PS#	TITLE	Presenters and Mentors
231	Combinatorial Complexity and Clock Phosphorylation in the Circadian Clock of <i>Drosophila Melanogaster</i>	Alyssa Hotz, Laurence Loewe (Mentor)
232	Synthesis and Characterization of a Library of Sub-Monolayer Oxide-On-Oxide Catalysts	Fangying Huang, Martin Martinez, Jesse Panger, Carlos Carrero Marquez (Mentor)
233	The School Experiences of Transgender and Gender Non-Conforming Youth in Wisconsin Schools	Sean Hubbard, Maurice Gattis (Mentor)
234	Scaffolds for Three-Dimensional Neural Cell Culture	Joann Huynh, Lindsey Jager (Mentor)
235	Ultra High Pressure Liquid Chromatography Method Separates 21 Freshwater Organic Nitrogen Compounds	Kaitlin Jasper, Katherine McMahon (Mentor)
236	Analysis of Anti-Gd2 Monoclonal Antibody Hu.14.18K322A in the Gd2Nk Pediatric Neuroblastoma Trial	Amal Javid, Paul Sondel (Mentor)
237	Funny, Pretty, Or Rich? Faceworks in Selfies	Asia Johnson, Nhu Quynh Nguyen, Thanh Thanh Nguyen, Nancy Wong (Mentor)
238	Structure and Function of Adck3, an Ancient Mitochondrial Protein in Coenzyme Q Biosynthesis	Isabel Johnson, David Pagliarini (Mentor)
239	Prevention of Retinal Ganglion Nuclear Atrophy Through Specific Inhibition of Hdac3	Nitin Kanneganti, Heather Schmitt (Mentor)
240	Temporal Processing and Aging in the Auditory System	Najeeha Khan, Cynthia Fowler (Mentor)
241	Interference of Mtdh-Snd1 Interaction in Tgf/ β 1-Cancer Cell Signaling	Yeonjun Kim, Yongna Xing (Mentor)
242	Flying Insect Abundance in Response to Temperature, Precipitation, Wind Speed, and Humidity	Valerie Knurr, Paul Schilke (Mentor)
243	Ric-8A Regulation of Intercellular Interactions in the Developing Brain	Adam Korte, Shang Ma (Mentor)
244	Artificial Grammar Learning in Adult Monolinguals and Bilinguals	Megan Kratzer, Margarita Kaushanskaya (Mentor)
245	Evaluating Surface Cover Effectiveness for Controlling Fluxes at Uranium Mill Tailing Disposal Sites	Joel Krech, William Likos (Mentor)
246	Eye Gaze in Adolescent Females With Fragile X Syndrome	Aleah Kuchta, Audra Sterling Von Glahn (Mentor)
247	In Vitro Leptin Receptor Levels in Ovine Uterine Artery Endothelial Cells: Leptin and Angiogenesis	Kurtis Lawe, Vladimir Vargas (Mentor)
248	Investigation of Cerebral White Matter Tract Integrity in Parkinson's Disease	Rebecca Leda, Catherine Gallagher (Mentor)
249	What Matters in Mentoring? Effect of Mentor Cultural Awareness on Mentee Outcomes	Aemilia Leyden, Patrice Leverett (Mentor)
250	Beats Employment Initiative: Develop a Community Career Service Model and Link Unemployed Population	Silun Li, Anna Haley-Lock (Mentor)
251	Phosphoinositide Regulation of Atg14 Function in Autophagy	Yihan Liao, Richard Anderson (Mentor)
252	Analysis of Functional Features of Ctd Kinases Using an Irreversible Inhibition Strategy	Jiayue Liu, Juan Rodriguez-Molina (Mentor)
253	Relationship Between Lake Size and Fish Species Composition in Wisconsin Lakes	Collin Ludwig, Tyler Tunney (Mentor)
254	The Human Ether-A-Go-Go Related Gene Is Expressed in Glioblastoma	Will Lyon, John Kuo (Mentor)

PS#	TITLE	Presenters and Mentors
255	The Relation Between Aging and Habituation of the Response to Emotional Stimuli	Phoebe Marquardt, Stacey Schaefer (Mentor)
256	Flexure Compensation for the Robert Stobie Spectrograph	Dustin Mason, Marsha Wolf (Mentor)
257	Evaluation of Jaguar and Puma Population Sampling Techniques and Management Across the Americas	Haley Melampy, Tori Fuller, Brooke Klesmith, Haley Melampy, James Berkelman (Mentor)
258	The 2013-2014 Trempealeau Archaeology Project (Tap) Excavations	Molly Mesner, Victoria Pagel, Danielle Benden (Mentor)
259	Structure and Evolution of Serpentinized Fault Zones, Pindos Peridotite Massif, Greece	Melissa Meyer, Basil Tikoff (Mentor)
260	Methods of Measuring Time Dilation and Frequency Drift	Michael Miranda, Duncan Carlsmith (Mentor)
261	The Roles of Glial Cells in the Adult Drosophila Brains Post Injury	Kent Mok, Grace Boekhoff-Falk (Mentor)
262	House of Representation	Alison Montenegro, Jonathan Maasho, Jennifer Brookhart (Mentor)
263	The Impact of Corticosteroids on Genioglossus Muscle	Natalie Morel, Mihaela Teodorescu (Mentor)
264	Beta-Catenin (Ctnnb1) Augments Angiogenesis in Developing Mouse Prostate	William Mulligan, Chad Vezina (Mentor)
265	The Effect of an Inmates Incarceration History on the Frequency of Parent-Child Visitations	Anthony Nestler, Julie Poehlmann-Tynan (Mentor)
266	The Patterns of Soil-Transmitted Helminth Infection in Rural Uganda	Mengyao Niu, Ryan Fuglestad, Cesar Gutierrez, Carly Malave, Quinn Mallery, Julia Purnell, Nicholas Segel, Sagan Friant (Mentor)
267	Design Thinking for Development: Dance-Power and Other Renewable Microgrid Technologies	Eric Obscherning, Tricia Raab, Lesley Sager (Mentor)
268	Social Media and #Sustainability	Sarah Olson, Jill Sakai (Mentor)
269	Mrsa Colonization as a Potential to Reduce Unnecessary Vacomycin Usage in the Emergency Department	Veronica Palma, Kurt Reed (Mentor)
270	Analyzing Gene Expression Changes in Down Syndrome Induced Pluripotent Stem Cells	Aisha Prasad, Anita Bhattacharyya (Mentor)
271	Hydraulic Conductivity of Geosynthetic Clay Liners Using Coal Combustion Product Leachate	William Reybrock, Jiannan Chen (Mentor)
272	Comparison of Methods for Quantifying Vibrissal Function in Rats Before and After Stroke	Jacob Richie, Matthew Jensen (Mentor)
273	A Genetic Screen for Modifiers of Radiosensitivity in Drosophila	Brian Robichaud, Lisa Sudmeier (Mentor)
274	Synthesis of Fatty Acid Derivatives from Free Fatty Acid Overproducing Escherichia Coli	Austin Rottinghaus, Christopher Jones (Mentor)
275	Induction of Cardiac Fibroblasts from Cardiac Progenitor Cells Under Defined Conditions	Edward Ruiz, Jianhua Zhang (Mentor)
276	Determining the DNA Binding Specificity of Transcription Factors	Delsin Sanghvi, Jose Rodriguez-Martinez (Mentor)
277	In Vitro Characterization of a Xenorhabdus Nematophila Tccc Mutant	Claudia Santana, Angel Casanova-Torres (Mentor)
278	The Effect of Age on Intraocular Pressure in Glaucomatous and Normal Felines	Daniel Shinsako, Gillian McLellan (Mentor)

PS#	TITLE	Presenters and Mentors
279	The Localization and Impact of Cd11C+ Dendritic Cells and Encephalitogenic T-Cells in the Cns During the Progression of Eae, the Murine Model of Ms	Eric Silignavong, Aditya Rayasam (Mentor)
280	Examining Discordant Antibiotic Therapy for UTI in Nursing Homes	Talia Sirkis, Rebecca Muehrer (Mentor)
281	Investigating Daily Sources of Relationship Conflict Among Young Adult Dating Couples	Amber Smits, Lauren Papp (Mentor)
282	Establishing the Function of Coq9: A Putative Lipid Chaperone Essential for Coenzyme Q Biosynthesis	Matthew Stefely, David Pagliarini (Mentor)
283	Role of Transcription Factor Bach2 in Regulatory T Cell Function During a Bacterial Infection	Brady Strittmatter, Suresh Marulasiddappa (Mentor)
284	Plasma P-Selectin Concentration in Adult or Pediatric Patients with Severe or Non-Severe Asthma	Calvin Swanson, Mats Johansson (Mentor)
285	The Role of Folic Acid and DNA Methylation in CNS Regeneration	Angelito Tenorio, Bermans Iskandar (Mentor)
286	Developmental Expectations and Challenges of Parents of Infants With a Complex Congenital Heart Defect	Taylor Thompson, Danielle Keller, Karen Pridham (Mentor)
287	A Systematic Literature Review: Physical Activity's Effect on the Hippocampus	Hao Tran, Elisa Torres (Mentor)
288	Nutrition and Cognition Among Individuals With Heart Failure	Abigail Traylor, Mara Stewart, Lisa Bratzke (Mentor)
289	Determining the Role of Translation During the Cell Cycle in C. Elegans Embryos	Alex Villarreal, Ahna Skop (Mentor)
290	Psychological Science Applied to Animal Welfare	Aubrey Waldron, Mackenzie Dutton, Allyson Bennett (Mentor)
291	Pattern and Correlates of Human-Wildlife Conflict Involving Mesopredators in Rural Northern Tanzania	Eric Walsh, Lisa Naughton (Mentor)
292	Mechanical Behavior of Polyurethane Stabilized Fouled Ballast (Psfb)	Liangquan Wang, James Tinjum (Mentor)
293	Metabolic Engineering of Lactobacillus Casei 12A for Production of Pure Lactic Acid	Di Wang, Jessie Heidenreich (Mentor)
294	Qtl Analysis of Anthocyanin Expression in B. Rapa	Max Wilson, Jaffna Mathiaparanam, John Riley, Scott Woody (Mentor)
295	Identifying Active Black Holes in Nearby Galaxies	Jennifer Witt, Andrew Hauser, Christina Tremonti (Mentor)
296	Neuroblastoma Tumor Cell Clearance After CLR1404 Treatment	Matthew Wolf, Dana Baiu (Mentor)
297	Evaluation of Nras Q61R and Mapkx as Candidates for Inducing Lymphoma	Grant Yun, Zhi Wen (Mentor)
298	Nanog and E-Cadherin Expression in Astrocytes During Reprogramming to Induced Pluripotent Stem Cells	Paul Ehrlich, Rupa Sridharan (Mentor)

2015 Student Presenters

Last Name, First	Type	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#
Abebe, Bethelhem	PS	I	VH	1	Brings, Jessica	T	III	NW-B		Dutton, Mackenzie	PS	III	VH	290
Abolarin, Alli	PS	II	VH	193	Brookhart, Matthew	PS	II	VH	183	Dysthe, Matthew	PS	II	VH	121
Abplanalp, Jennifer	DI	III	VH		Brown, Caroline	PS	I	VH	10	Edelman, Chet	PS	II	VH	193
Adams, Colin	PS	I	VH	104	Brucker, Cassandra	PS	II	VH	176	Ehrlich, Paul	PS	III	VH	298
Adeyanju, James	DI	III	VH		Buchholz, Anna	PS	I	VH	11	Ellis, Chariesse	PS	I	VH	21
Agatston, Ben	T	II	TR		Budke, Katelyn	T	I	AL		Enos, Gabrielle	PS	I	VH	22
Aguirre, Juan	PS	I	VH	2	Buechner, Samantha	T	III	NW-B		Enriquez, Victoria	PS	III	VH	205
Alter, Rachel	T	II	LM-B		Bullock, Leah	PS	II	VH	150	Erlichman, Zachary	PS	II	VH	122
Altmann, Helene	PS	I	VH	3	Bursinger, Kathryn	PS	I	VH	12	Estevez, Maria	PS	I	VH	23
Amro, Tasneem	T	III	GV		Callies, Katelyn	PS	I	VH	13	Fang, Jarjeh	T	III	LM-A	
Anboub, Nina	PS	I	VH	4	Campo, Camilo	PS	II	VH	114	Fasking, Alexandra	PS	I	VH	48
Anderson, Ellie	PS	I	VH	5	Canda, Claire-Marie	PS	I	VH	14	Faust, Marie	PS	II	VH	164
Anderson, Tyler	PS	II	VH	153	Cano, Nahin	PS	II	VH	115	Feustel, Thomas	T	I	WI	
Arain, Omer	T	III	GV		Carr, David	PS	III	VH	218	Ficho, Kathryn	T	I	IN-A	
Arensford, Alison	PS	I	VH	6	Carroll, Molly	PS	II	VH	185	Field, Kristen	T	II	IN-B	
Arneson, Jade	T	III	NW-B		Cassidy, Jeri Jo	PS	III	VH	205	Field, Kristen	PS	III	VH	123
Ashton, Matthew	PS	III	VH	204	Cesarz, Taylor	PS	I	VH	15	Fischer, Cristina	PS	I	VH	24
Atkins, Ian	T	I	NW-B		Chantigian, Daniel	PS	I	VH	16	Fischer, Julie	PS	III	VH	215
Ayesh, Amal	T	II	NW-B		Chapman, Ann	T	II	IN-B		Fischer, Madeline	PS	III	VH	216
Aylyng, Jennie	T	III	Ag-A		Charly, Nithin	PS	II	VH	117	Foley, Tyler	T	III	Ag-A	
Babino, Carly	PS	II	VH	108	Chen, Edwin	T	II	Ag-A		Froiland, Jackson	PS	II	VH	153
Baeseman, Louis	PS	I	VH	7	Cheng, Lixue	PS	III	VH	210	Fuglestad, Ryan	PS	III	VH	266
Bahr, Eric	PS	III	VH	205	Chic, Brandon	T	I	TR		Fuller, Tori	PS	III	VH	257
Baior, Kelcie	PS	II	VH	109	Childress, Lillian	PS	III	VH	211	Fulmer, Leah	PS	III	VH	217
Baranek, Emily	PS	III	VH	205	Choe, Joshua	PS	II	VH	116	Fulmer, Leah	PS	III	VH	218
Bauman, Weeden	T	III	AL		Chung, Andy	PS	II	VH	117	Gaddameedi, Vilas	T	I	LM-B	
Baumann, Emily	T	I	AL		Cianciara, Aleks	PS	I	VH	17	Gallaher, Connor	PS	I	VH	25
Baumgarten, Nathan	F	II	MT		Coker, Adetola	T	II	WI		Gallenberger, Mikayla	PS	II	VH	125
Behling, Shannon	PS	III	VH	205	Collins, Vaughan	PS	II	VH	118	Galvan, Carlos	T	III	LM-A	
Bennett, Clayton	PS	III	VH	218	Connolly, Joseph	PS	III	VH	202	Garcia, Tianna	PS	III	VH	219
Bergemann, Courtney	PS	III	VH	206	Cooper, Julian	Fim	II	MT		Gasao, Caroline	PS	I	VH	87
Berkvam, Madeline	PS	II	VH	110	Cornelius, Chelsea	T	II	WI		Geiduschek, Emma	T	II	FN	
Bero, Emily	PS	II	VH	120	Courtright, Maxwell	T	II	NW-B		Gibb, Wil	PS	II	VH	126
Bilkey, Natasha	PS	III	VH	207	Coutinho, Carol	T	III	LM-A		Gibbs, Benjamin	PS	III	VH	220
Binder, Grace	PS	II	VH	150	Crain, Erin	T	III	NW-B		Giller, Karissa	PS	II	VH	150
Bjork, Reed	PS	II	VH	111	Cull, Alexandria	PS	III	VH	212	Gilsdorf, Brock	T	II	LM-A	
Bliss, Daniel	T	II	TR		Cumming, Margot	PS	I	VH	18	Gomez, Eliah	PS	I	VH	26
Bloom, Eleanor	T	I	NW-B		Dalgarno, Audrey	PS	I	VH	19	Gomez, Andres	PS	II	VH	129
Blumenstock, Shari	PS	I	VH	81	Davis, Yanika	PS	III	VH	206	Gordon, Melvin	DI	III	VH	
Bodart, Lindsay	T	III	Ag-A		Del Valle, Antonio	T	III	NW-B		Gore, Madeline	PS	I	VH	27
Borkowski, Amanda	DI	III	VH		Del Valle, Antonio	PS	I	VH	98	Gorges, Jill	T	III	NW-B	
Borkowski, Amanda	PS	III	VH	208	DeLuca, Hailey	PS	II	VH	119	Gorman, Thomas	T	II	Ag-B	
Boroumand, Sam	PS	III	VH	209	Deng, Xiang	T	III	NW-B		Gorski, Tyler	PS	III	VH	221
Bossogo-egoume, Adrien	PS	I	VH	54	Derr, Nicholas	T	III	IN-B		Grant, Lily	PS	III	VH	212
Bowman, Faith	PS	I	VH	8	Deziel, Carlie	T	I	Ag-B		Gretzon, Nicholas	PS	I	VH	28
Bowman, Natalie	PS	II	VH	112	Dhungana, Manish	PS	I	VH	20	Grover, Shannon	T	I	Ag-B	
Boyer, Matthew	PS	II	VH	113	Diaz, Andy	PS	I	VH	77	Grunwaldt, Alexa	T	II	LM-B	
Brauer, Alexander	PS	I	VH	9	Diny, Michael	PS	III	VH	213	GuDMundson, Conrad	PS	III	VH	222
Breitlow, Rebecca	PS	III	VH	205	Dowd, Patrick	PS	III	VH	214	Guerra, Cayla	PS	II	VH	127
Brennan, John	PS	I	VH	98	Duangkamon, Wattanasak	PF	II	MT		Guo, WanJia	T	III	LM-B	
Bressler, Nathan	PS	II	VH	299	Duchow, Elizabeth	PS	II	VH	120	Gutierrez, Cesar	PS	III	VH	266
					Dumar, Zach	T	I	Ag-B		Guzman, Aidee	PS	I	VH	98

Last Name, First	Format	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#
Guzman, Aidee	PS	II	VH	128	Johnson, Asia	PS	III	VH	237	Lane, Cody	T	I	LM-B	
Habbel, Katherine	T	III	TR		Johnson, Isabel	PS	III	VH	238	Lang, Amy	PS	I	VH	40
Hacker, Larissa	PS	II	VH	129	Justen, Jessa	PS	II	VH	138	Lange, Lauren	T	II	NW-B	
Haffey, Kiersten	PS	II	VH	299	Kalicka, Madeline	F	II	MT		LaPierre, James	T	II	IN-B	
Hagen, Kate	PS	III	VH	223	Kane-Foempe, Katja	PS	III	VH	205	Larrain, Carolina	PS	II	VH	143
Hall, Crystal	PS	I	VH	29	Kane-Grade, Finola	T	II	IN-B		Law, Lena	T	III	IN-A	
Hameister, Thomas	PS	I	VH	54	Kang, Malcolm Shao Fong	T	II	Ag-B		Lawe, Kurtis	PS	III	VH	247
Han, Tianxiao	PS	I	VH	30	Kaneganti, Nitin	PS	III	VH	239	Lawrence, Erin	T	II	SW	
Hanna, Rewais	PS	II	VH	130	Kapp, Monica	T	I	IN-A		Lawrence, Sophia	PS	I	VH	41
Hao, Aili	T	III	AL		Karaskiewicz, Chloe	T	I	Ag-A		Lawson, Lauren	PS	III	VH	205
Hasseldeck, Bennett	PS	II	VH	131	Katz, Emily	PS	I	VH	38	LeClaire, Kathryn	PS	II	VH	144
Hauser, Andrew	PS	III	VH	295	Kaur, Arashjot	T	II	IN-B		Leda, Rebecca	PS	III	VH	248
Hayat, Kari	PS	III	VH	224	Kay, Ethan	PS	I	VH	32	Lee, laong	T	I	IN-A	
Hayes, Hannah	PS	III	VH	205	Keener, William	PS	I	VH	33	Lee, Christopher	T	I	WI	
Hefty, Brandi	PS	II	VH	132	Keita, Hawa	PS	II	VH	139	Lee, Yujin	T	III	AL	
Heilingoetter, Cassandra	PS	I	VH	31	Kelleher, Erin	PS	III	VH	203	Lehner, Gina	DI	III	VH	
Heimbruch, Katelyn	T	I	LM-A		Keller, Danielle	PS	III	VH	286	Lever, Lauren	PS	II	VH	145
Heinrich, Victoria	PS	III	VH	225	Kelnhofe, Laurel	PS	I	VH	34	Leyden, Aemilia	PS	III	VH	249
Helein, Holly	T	I	SW		Khadem, Donya	T	II	LM-A		L'Huillier, Joseph	PS	II	VH	146
Helton, Blake	PS	III	VH	226	Khan, Najeeha	PS	III	VH	240	Li, Silun	PS	III	VH	250
Hennelly, Scott	DI	III	VH		Khoo, Jia Hui	PS	II	VH	140	Liao, Yihan	PS	III	VH	251
Hennelly, Scott	F	II	MT		Khor, Eng Hoe	PS	I	VH	35	Lindqvist, Lars	PS	II	VH	150
Henry, Stefanie	PS	II	VH	133	Kim, Yeonjun	PS	III	VH	241	Lira, Alejandra	PS	III	VH	205
Hernandez, Evan	DI	III	VH		King, Rachel	T	II	IN-B		Liu, Jiayue	PS	III	VH	252
Hernandez, Christian	PS	II	VH	134	King, Char'Lee	PS	I	VH	36	Longueville, Kailyn	PS	II	VH	147
Hernandez Abrego, Alexis	PS	III	VH	227	Kirby, Taylor	T	I	Ag-A		Lopez, Alexander	PS	II	VH	148
Heup, Jennifer	PS	III	VH	218	Kish, Jennifer	T	II	Ag-A		Loppnow, Melanie	PS	II	VH	149
Heyrman, Ethan	T	I	LM-B		Klesmith, Brooke	PS	III	VH	257	Los, Sylwia	T	II	LM-B	
Higgins, Christina	PS	II	VH	135	Klicko, Rachael	T	III	NW-B		Lu, Qihong	T	III	IN-A	
Hinde, Sarah	PS	III	VH	205	Kline, Brittny	T	I	AL		Lu, Ying	PS	I	VH	17
Hitchcock, Mary	PS	I	VH	67	Cluever, Joshua	T	II	FN		Ludwig, Collin	PS	III	VH	253
Hoefs, Adam	PS	II	VH	136	Knoepfel, Jennifer	PS	III	VH	212	Luedtke, Alicia	T	I	SW	
Hoker, Stephanie	T	III	TR		Knurr, Valerie	PS	III	VH	242	Lukach, Max	F	II	MT	
Hollenbeck, Jordan	PS	III	VH	205	Koehler, Aislinn	T	I	TR		Lyon, Will	PS	III	VH	254
Holtz, Matthew	T	III	WI		Kohlenberg, Lucille	PS	I	VH	37	Ma, Daniel	PS	II	VH	150
Hopfensperger, Kaitlyn	PS	III	VH	228	Korte, Adam	PS	III	VH	243	Maasho, Jonathan	PS	III	VH	262
Hoppel, Grant	PS	III	VH	229	Koszalinski, Rachel	PS	II	VH	141	Mack, Tyriek	T	II	LM-B	
Hoppmann, Kurt	PS	III	VH	230	Kour, Oudom	T	I	AL		Madras Natarajan, Bharat	T	III	TR	
Horman, Josh	T	I	TR		Kowaleski, Allyson	PS	III	VH	205	Madsen, Eric	PS	II	VH	151
Hotz, Alyssa	PS	III	VH	231	Kraft, Carla	PS	I	VH	38	Maerz, Brad	PS	I	VH	42
Huang, Fangying	PS	III	VH	232	Kratzer, Megan	PS	III	VH	244	Magalhaes Souto Maior, Joao Pedro	PS	II	VH	152
Hubbard, Sean	PS	III	VH	233	Krause, Molly	PS	II	VH	142	Malave, Carly	T	III	TR	
Hui, Kayla	T	II	LM-A		Krech, Joel	PS	III	VH	245	Malave, Carly	PS	III	VH	266
Huynh, Joann	PS	III	VH	234	Kristen, Cassarini	T	III	IN-A		Mallery, Quinn	PS	III	VH	266
Jacobs, Leah	PS	II	VH	137	Krueger, Kristen	T	II	IN-B		Maltz, Evan	T	III	LM-B	
Jamieson, Nathan	T	II	LM-A		Kuchinski, Cody	T	II	NW-B		Maranan, Michael	PS	II	VH	201
Jasper, Kaitlin	PS	III	VH	235	Kuchta, Aleah	PS	III	VH	246	Marquardt, Phoebe	PS	III	VH	255
Javaid, Amal	PS	III	VH	236	Kuik, Melissa	PS	I	VH	39	Marsicek, Anna	PS	II	VH	153
Jennings, Heather	PS	I	VH	98	Kuntz, Patricia	T	I	TR		Marta, Davin	PS	II	VH	201
Jimenez, Joyce	T	II	WI		Kuo, Wan-chin	PS	I	VH	72	Martin, Kelly	PS	I	VH	43
Joers, Mandy	T	II	LM-A		Kwok, Susanna	T	I	WI		Martinez, Martin	PS	III	VH	232
Johnson, Heather	PS	I	VH	72	Kwon, Jin	T	III	LM-B						

Last Name, First	Format	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#	Last Name, First	Format	Time	Room	Poster#
Martino, Victoria	PS	II	VH	154	Nestler, Jeni	PS	II	VH	166	Reybrock, William	PS	III	VH	271
Masad Andalusia	T	III	WI		Nestler, Anthony	PS	III	VH	265	Richie, Jacob	PS	III	VH	272
Mason, Dustin	PS	III	VH	256	Newell, Alex	PS	I	VH	53	Richter, Dustin	PS	I	VH	68
Mast, Hannah	PS	I	VH	44	Nguyen, Thang	T	III	WI		Richter, Noah	PS	II	VH	148
Mata, Leanna	T	II	NW-B		Nguyen, Phu	PS	I	VH	54	Riesenfeld, Michelle	PS	II	VH	119
Mathiaparanam, Jaffna	PS	III	VH	294	Nguyen, Jennifer	PS	I	VH	55	Riley, John	PS	III	VH	294
Mathur, Sanchay	PS	II	VH	155	Nguyen, Nhu Quynh	PS	III	VH	237	Ripp, Morgan	PS	II	VH	174
Matoba, Mary	PS	II	VH	119	Nguyen, Thanh Thanh	PS	III	VH	237	Ritter, Steven	PS	I	VH	69
Mayeshiba, Julia	PS	III	VH	218	Niu, Mengyao	T	II	Ag-B		Rivedal, Shawna	PS	I	VH	70
Mazur, Aidan	T	I	TR		Niu, Mengyao	PS	III	VH	266	Roach, Edel	DI	I	VH	
McDaniel, Adam	PS	II	VH	156	Ntambi, Norah	PS	II	VH	153	Robichaud, Brian	PS	III	VH	273
McDermott, Maeve	T	II	SW		Obscherning, Eric	PS	III	VH	267	Rodriguez, Genesis	PS	II	VH	175
Mechler-Hickson, Alexandra	T	I	LM-A		Olin, Cecilia	PS	II	VH	167	Romine, Kelli	PS	II	VH	176
Medo, Margaret	PS	II	VH	157	Olson, Stephane	PS	I	VH	98	Rose, Andrew	T	II	LM-B	
MeLampy, Haley	PS	III	VH	257	Olson, Sarah	PS	III	VH	268	Rosich, Katarina	T	III	AL	
Melville, Anna	PS	II	VH	158	Ortiz, Ramon	PS	I	VH	56	Rottinghaus, Austin	PS	III	VH	274
Meschke, Vanessa	PS	II	VH	159	Osterbauer, Elizabeth	PS	I	VH	57	Rudnitzky, Philip	T	II	Ag-A	
Mesner, Molly	PS	III	VH	258	Oswald, Craig	T	I	LM-B		Rudolph, Jared	PS	I	VH	71
Meyer, Kaitlin	PS	II	VH	160	Owen, Brian	PS	I	VH	35	Ruiz, Edward	PS	III	VH	275
Meyer, Melissa	PS	III	VH	259	Pagel, Victoria	PS	III	VH	258	Russell, Matthew	PS	II	VH	177
Mihelich, Nicole	T	I	LM-A		Palma, Veronica	PS	III	VH	269	Rutowski, Lauren	PS	II	VH	136
Miller, Adam	PS	II	VH	146	Palmer, Da'Quan	PS	II	VH	168	Ryu, Jane	T	I	LM-A	
Miller, Chris	PS	II	VH	162	Panelli, Juliana	PS	I	VH	58	Salazar, Hector	PS	I	VH	72
Miller, Kevin	PS	II	VH	161	Panger, Jesse	PS	III	VH	232	Sampson, Alexa	PS	II	VH	178
Minucci, AJ	PS	II	VH	193	Park, Andrew	T	III	GV		Sanghvi, Delsin	PS	III	VH	276
Miranda, Michael	PS	III	VH	260	Paskov, Patricia	T	II	WI		Santana, Claudia	PS	III	VH	277
Miron, Gretchen	T	II	SW		Pechmann, Madalyn	PS	II	VH	185	Sargent, Elizabeth	T	I	SW	
Mirza, Sanober	PS	II	VH	163	Perlin, Allison	T	II	Ag-B		Sarver, Brooke	PS	I	VH	67
Mitchell, Levi	PS	I	VH	45	Persche, Maia	PS	I	VH	59	Savitch, Marissa	PS	II	VH	119
Mohr, Mary	PS	II	VH	136	Pham, Minh	T	II	LM-A		Schell, Trevor	PS	I	VH	73
Mok, Kent	PS	III	VH	261	Phillips, Katie	PS	I	VH	60	Schlapman, Lauren	PS	I	VH	74
Montenegro, Alison	PS	I	VH	262	Pieterick, Andrew	DI	III	VH		Schmelzer, Elena	PS	I	VH	75
Montez, Daniel	PS	I	VH	46	Plesha, Camille	T	I	Ag-A		Schneider, Mary	T	III	NW-B	
Morel, Natalie	PS	III	VH	263	Plunkett, Shannon	T	I	TR		Schneider, Owen	T	I	TR	
Moreno, Ingrid	PS	I	VH	47	Powell, Daria	PS	II	VH	169	Schroeder, Bianca	T	I	IN-A	
Moroz, Alexander	T	I	WI		Powling, Helen	PS	I	VH	61	Schuld, Danielle	T	I	IN-A	
Morris, Keayra	T	III	Ag-A		Prasad, Aisha	PS	III	VH	270	Schuld, Danielle	PS	II	VH	179
Morse, Kaitlin	PS	I	VH	48	Prestil, Ryan	PS	I	VH	62	Schwartz, Jessica	T	I	SW	
Mueller, Joseph	PS	I	VH	49	Priddy, Laura	PS	I	VH	67	Segel, Nicholas	PS	III	VH	266
Muench, Andy	PS	I	VH	50	Primack, Ilana	PS	II	VH	170	Sekeres, Bryanne	PS	III	VH	205
Muench, Jared	PS	I	VH	51	Pugh, Molly	PS	I	VH	38	Seppala, Jocelyn	PS	I	VH	76
Muentner, Luke	PS	I	VH	90	Pumper, Cassidy	PS	I	VH	63	Sequin, Elizabeth	PS	II	VH	153
Mulligan, William	PS	III	VH	264	Purnell, Julia	PS	III	VH	266	Serrano, Noemy	PS	I	VH	77
Murphy, Kiana	T	II	WI		Quade, Andrea	PS	II	VH	193	Sewell, Brianna	T	II	LM-B	
Nadeem, Hasan	T	III	WI		Raab, Tricia	PS	III	VH	267	Shaadie, Alli	T	II	TR	
Nakad, Lynn	PS	I	VH	52	Radish, Patrick	PS	I	VH	64	Shahlapour, Minaliza	PS	I	VH	78
Nehls, Breana	PS	II	VH	164	Raut, Ryan	PS	I	VH	65	Shannon, Thomas	T	I	NW-B	
Nelson, Matthew	DI	III	VH		Rebernick, Ryan	PS	I	VH	66	Shanovich, Hailey	PS	I	VH	79
Nelson, Zachary	DI	III	VH		Reil, Lauren	PS	II	VH	171	Sherman, Kyle	PS	I	VH	80
Nelson, Bianca	PS	I	VH	67	Reiner, Emi	PS	I	VH	67	Shim, Daeun	PS	II	VH	180
Nemec, Kelsey	PS	II	VH	165	Renganathan, Aditi	PS	II	VH	172	Shimony, Alex	PS	II	VH	181
Ness, Megan	T	II	SW		Rettko, Nicholas	PS	II	VH	173	Shinsako, Daniel	PS	II	VH	136

Last Name, First	Format	Time	Room	Poster#
Shinsako, Daniel	PS	III	VH	278
Shmays, Chloe	PS	I	VH	81
Sibley, Brenny	PS	I	VH	82
Silignavong, Eric	PS	III	VH	279
Singh, Nausheen	PS	I	VH	83
Sippl, Kayla	PR	III	VH	
Sirkis, Talia	PS	III	VH	280
Skarda, Grace	PS	I	VH	61
Slavik, Kailey	PS	I	VH	84
Smits, Amber	PS	III	VH	281
Spencer, Dirk	T	II	FN	
Spillers, Anna	PS	I	VH	67
Stark, Benjamin	PS	II	VH	182
Stefely, Matthew	PS	III	VH	282
Steffel, Catherine	PS	I	VH	17
Stellpflug, Hannah	PS	I	VH	67
Stemo, Aaron	PS	II	VH	183
Stewart, Mara	PS	I	VH	67
Stewart, Mara	PS	III	VH	288
Stockton, Michael	PS	II	VH	184
Stone, Michael	T	III	IN-B	
Stopfer, Lauren	PS	II	VH	185
Strebe, Joslyn	PS	II	VH	126
Strittmatter, Brady	PS	III	VH	283
Suleiman, Mohammad	PS	II	VH	186
Sullivan, Joe	PS	II	VH	187
Sun, Wendy	T	III	LM-B	
Swanson, Calvin	PS	III	VH	284
Swinarska, Joanna	PS	I	VH	85
Sylvestre, Jason	PS	I	VH	86
Tan, Xiang Zhi	T	II	LM-B	
Taute, Elana	PS	I	VH	67
Taylor, Kiesow	PF	II	MT	
Tenorio, Angelito	PS	III	VH	285
Thao, Shannon	PS	I	VH	87
Thao, Angela	PS	I	VH	88
Thompson, Taylor	PS	III	VH	286

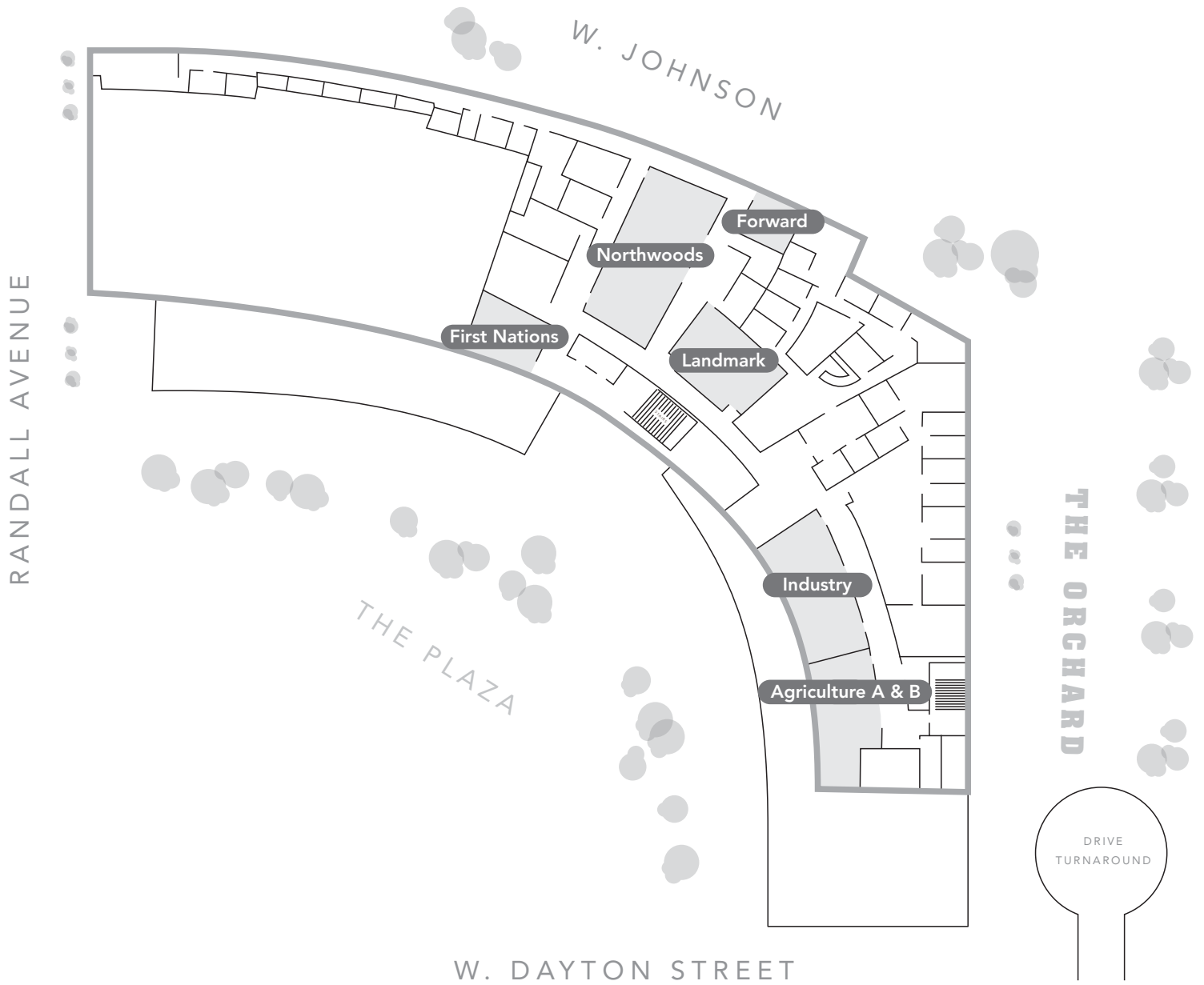
Last Name, First	Format	Time	Room	Poster#
Tidei, Joey	PS	II	VH	188
Tidemann, Alyssa	T	I	LM-A	
Tielman-Fenelus, Gabrielle	PS	II	VH	124
Timm, Samantha	T	II	TR	
Tong, Michelle	PS	II	VH	299
Tong, Michelle	T	I	Ag-A	
Torres, Elisa	PS	I	VH	67
Torres Diaz, Alejandra	PS	II	VH	189
Tourbier, Eric	PS	I	VH	89
Tran, Hao	PS	III	VH	287
Traylor, Abigail	PS	I	VH	67
Traylor, Abigail	PS	III	VH	288
Tryon-Petith, Miles	PS	II	VH	164
Tucker, Carly	PS	I	VH	90
Tupper, Natalie	PS	II	VH	190
Turner, Meghan	PS	I	VH	91
Uchupalanun, Pajeon	T	III	IN-B	
Ugalde, Jeanet	PS	II	VH	191
Underwood, Steven	T	III	IN-B	
Valk, Ryan	PS	I	VH	92
Vamos, Andrew	PS	II	VH	192
Van Beek, Peter	PS	I	VH	94
Van Boxtel, Megan	PS	III	VH	205
Van House, Patrick	PS	I	VH	93
Vang, Rachele	T	II	LM-B	
Varghese, Priya	PS	I	VH	94
Vartorella, Leo	PS	II	VH	193
Vassilev, Dimitar	PS	I	VH	95
Vatland, Quinn	PS	II	VH	194
Vecci, Joseph	PS	II	VH	299
Veigel, Andrew	PS	I	VH	96
Velazquez, Olivia	PS	II	VH	185
Veldhuis, Mike	T	II	Ag-B	
Villarreal, Joel	T	III	TR	
Villarreal, Alex	PS	III	VH	289
Waldeck, Katherine	PS	I	VH	97
Waldron, Aubrey	PS	III	VH	290

Last Name, First	Format	Time	Room	Poster#
Walker, Leah	T	III	LM-A	
Wallin, Kelly	T	II	FN	
Wallin, Kelly	PS	I	VH	98
Wallin, Kelly	PS	I	VH	99
Walsh, Eric	PS	III	VH	291
Wang, Jesse	PS	II	VH	299
Wang, Liangquan	PS	III	VH	292
Wang, Di	PS	III	VH	293
Weathersby, Coty	PS	I	VH	100
Wei, Alice	PS	II	VH	195
Wesley, Thejas	T	I	WI	
Wieters, Kurt	T	II	SW	
Williams, Tasia	PS	I	VH	101
Wills, Alex	PS	II	VH	196
Wilson, Max	PS	III	VH	294
Withington, Charles	PS	III	VH	228
Witt, Jennifer	PS	III	VH	295
Wleklinski, Matthew	PS	I	VH	102
Wolf, Matthew	PS	III	VH	296
Wu, Tianyao	PS	I	VH	103
Wu, Tianyao	PS	I	VH	104
Wu, Jessica	PS	II	VH	197
Yambing, Jeannaej Rochelle	PS	II	VH	198
Yang, Jinghao	T	III	WI	
Yang, Amy	PS	II	VH	123
Yao, Annie	PS	I	VH	105
Yim, Su Hyun	T	I	AL	
Young, Brianna	PS	I	VH	106
Yu, Sherman	T	III	IN-A	
Yun, Grant	PS	III	VH	297
Zahn, Cassandra	PS	I	VH	107
Zaiken, Michael	PS	II	VH	199
Zaldumbide, Gabriela	PS	II	VH	200
Zasada, Jacob	PS	II	VH	148
Zellner, Abigail	T	I	Ag-A	
Zhang, Bingxin	PS	II	VH	201
Zuniga, Ricardo	PS	II	VH	189

Union South Level 2



Union South Level 3



Please join us for a celebration of UW–Madison
undergraduate academic and creative work at the

Ideas to Excellence Reception

Thursday, April 16, 2015

5:30 – 6:30 p.m.

Union South – Varsity Hall

Welcome and Presentation of Undergraduate Mentoring Awards

Sarah Mangelsdorf, Provost

Steven M. Cramer, Vice Provost for Teaching and Learning

Talk with alumni, employers and University partners
who want to learn about student projects

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Undergraduate Symposium



Ideas to Excellence, held each spring, showcases the academic and creative work of our undergraduate students. Multiple venues will house events — including exhibitions, poster sessions, presentations and performances — that celebrate excellence in student work.

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