



Lyman Briggs College
RESEARCH SHOWCASE



2026 Schedule

Feb 17, 2026



Virtual Presentations – Available Feb 11th

Presentations can be found at

<https://lymanbriggsstudentshowcase.hcommons.org/>



Titles are linked to the posting for each.

<i>Title</i>	<i>Authors</i>	<i>Research Foci</i>
<u>Nutritional Risks in West African Diets -a primary care, diversity and public health perspective</u>	Amechi Anwah	Science and Society, Interdisciplinary
<u>Pressure on the horse’s back wearing six different blanket styles</u>	Sydney Fish, Char Panek, Emma Yonker, Brooke Boger, Jane Manfredi	Biological Science
<u>Role of Chronic Infections in Disease Progression in Pediatric Cystic Fibrosis</u>	Kavya Jonnalagadda	Biological Science, Microbiological Science



MSUFCU Poster Session – East and West Holmes Hall – 6-7:45PM Thursday Feb 17, 2026

Presentation and Judging 6-7:15 pm

Awards announced at 7:45(ish) in West Lounge



<i>Title</i>	<i>Authors</i>	<i>Location</i>	<i>Research Foci</i>
Defining the Relationship Between Judge Scoring and Horse-Rider Biomechanics in the Piaffe	Stephanie Hadley, Char Panek, Josephine Parish, Ruby Rockburn, Jane Manfredi	East(1)	Biological Science
Dietary Oxalates, Gut Barrier Function, and Thyroid Physiology: A Literature-Based Analysis	Sohniaa Mahalingam	East(2)	Biological Science
Effects of a Supplement on Improving Equine Muscle Function and Size	Shaylee Szaraz, Jane Manfredi, Char Panek, Amelia Munsterman	East(3)	Biological Science
Effects of Binge-Eating on Structural Connectivity between Red Nucleus and Ventral Tegmental Area	Charvi Bagewadi Ellur, Dr. Chunqi Qian, Zachary Fernandez	East(4)	Biological Science
Effects of KMT2C Deficiency on Fear Conditioning and Freezing Behavior in Mice	Eva Sclabassi, Sophie Peret, Dr. Yuen Gao	East(5)	Biological Science
Endoplasmic-Reticulum Degradation and Male Fertility	Pranavi Pullela	East(6)	Biological Science
Epididymal Adenomatous Hyperplasia: Is There a Relationship with Testicular Disease	Bonnie Howard	East(7)	Biological Science
Gait kinematics of the passage in competitive dressage horses	Laura Gutierrez, Char Panek, Ruby Rockburn, Stephanie Hadley, Josephine Parish, Jane Manfredi	East(8)	Biological Science
Growth and Maturation Dynamics in a Novel Mast Cell-Specific Androgen Receptor Knockout Model	Katherina Mandia, Ty M. Mitchell, Adam J. Moeser	East(9)	Biological Science
Microglial Epigenetic Remodeling in Autism: Linking Risk Factors to Brain Development	Ishitha Teluguntla, Yuen Gao	East(10)	Biological Science



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My Involvement in Sheep Joint Research	Dr. Brian Nielsen, Ms. Renee Harbowy	East(11)	Biological Science
Topical Omaveloxolone Mitigates Corneal Damage Following Chloropicrin Exposure	Peter Chu, Ebenezar Okoyeocha, Connor McGreer, Steve Lundback, Neera Tewari-Singh	East(12)	Biological Science
Using Zebrafish Embryos to Compare the Effects of Compounds on Heart Size and Cardiomyocyte Proliferation	Dalila Livadic, Aaron H Wasserman, Charles C Hong	East(13)	Biological Science
Associations of maternal diet quality in pregnancy with breastfeeding duration	Annamarie Murphy, Maria Cinzori, Madeline Beaumont, Rita Strakovsky	East(14)	Biological Science,
Morphological Effects of DDA Exposure During Embryonic Development Stages in Zebrafish	Emma I. Andrechek, Alanis J. Torres Berríos, Dyllan R. Nelson, Katelyn M. Polemi, Karilyn E. Sant	East(15)	Biological Science
Investigating the Occurrence of Gestational Hyperinsulinemia on Pregnancy Outcomes in Broodmares	Hajer M Alsalman, Brooke L Boger, Maria R Schnobrich, Megan R Green, Miranda P Starr, Jane M Manfredi	East(16)	Biological Science,
The Influence of Commercial Sources of Fetal Bovine Serum Used in cRPMI Media on Mast Cell Differentiation, Growth, and Histamine Levels	Saanvi Sharma, Santiago Contreras, Ty M. Mitchell, Janelle V. LeMon, Adam J. Moeser	East(17)	Biological Science, Microbiological Science
The Root of the Matter: Investigating How Camelina Sativa Thrives in Drought	Emma Movahedi, Hannah Eggleton, Leyli Sedghi, Patrick Edger, Melanie Leonard-Body	East(18)	Biological Science, Microbiological Science
Using T Cell Receptor Sequences to Identify Possible Infectious Triggers of Multiple Sclerosis	Selena Nahhas	East(19)	Biological Science, Microbiological Science



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Order, Disorder, and the Algorithm: Finding Quality Entropy Content on YouTube	Olivia Kollovozi, Lindsey Geiger, Lucian Forestier, Gabby Palombo, Kripa Paudel, Makenna Rendeiro	West(1)	Science Communication, Education Research
Maintaining Equilibrium: Investigating Educational Content of Buffer Videos on YouTube	Olivia Kollovozi, Kripa Paudel, Ana Ivanov, Lindsey Geiger, Makenna Rendeiro	West(2)	Science Communication, Education Research
Understanding Palliative Care Education and Practice Among Oncologists	Chinmay Chouthai, Dr.Daniel Thiel	West(3)	Education Research, Science Communication
Mechanical Insight into Environment-Dependent Motility in Chlamydomonas	Selina Tripathy, Hannah Thompson, Jennifer Doherty	West(5)	Interdisciplinary
Perspectives on Communication Access for Disabled/Non-Speaking Patients	Latrell Massey	West(6)	Interdisciplinary
How does MCH-1 affect the regulation of AURKA in HNC HPV+ cells?	Landen Christensen, Lexi Vu, Dohun Pyeon	West(7)	Microbiological Science
Manipulation of Geobacter S. in order to achieve improved metal reduction efficiency	Fadi Dardar	West(8)	Microbiological Science
Zinc modulates cyclic di-GMP in Vibrio cholerae via phosphodiesterases	Marissa Malleck	West(9)	Microbiological Science
Designing a standardized cryobanking and QC system for Human Induced Pluripotent stem cells (iPSCs)	Shreshta Sinha, Elena Demireva	West(11)	Microbiological Science, Interdisciplinary
Microbial Biofilms and Their Implications for Life Detection in Serpentinizing Systems	Alexandra Grabowski, Sarah Gonzalez-Henao, Dr. Ricardo Sánchez-Murillo, Alexandra May, Dr. Matthew Schrenk	West(12)	Microbiological Science, Interdisciplinary
Sterilization Revolution: Can Autoclaves Reduce Medical Waste in Healthcare?	Rachel Roberts, Emma Movahedi, Ava Richardson, Selina Tripathy, Elizabeth Verhoef	West(13)	Microbiological Science, Interdisciplinary



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Reading the Signs: Exploring Employment Rates of Deaf and Hard of Hearing Adults in the United States	Natalie Grace Westrate	West(14)	Science Communication
Vaccination Hesitancy	Anna Kalabat, Sean Kalabat, Grace Randazzo, Jack Randazzo	West(15)	Science Communication
Provider perceptions of Arab/MENA American patient health: a case study highlighting opportunities and challenges to provider reported outcomes for hard to identify populations	Sarah Krikor, Nadia N. Abuelezam	West(16)	Science and Society
Korean Society and Health: An Investigation Into the Correlation Between Socioeconomic Development in South Korea and Female Mortality Rate Due to Breast Cancer Between 2005 and 2019	Matthew Kafarski	West(17)	Science and Society, Interdisciplinary
Same Ingredients, Different Recipe	Daniela Dushaj	West (18)	Science and Society
From Belly to Beach: Data Driven Forensics for Water Quality	Gessica Portice, Alexis M. Porter, Rebecca Riggi, Molly Rippke, Joan B Rose, Shannon Briggs, Nishita D’Souza	West(19)	Microbiology