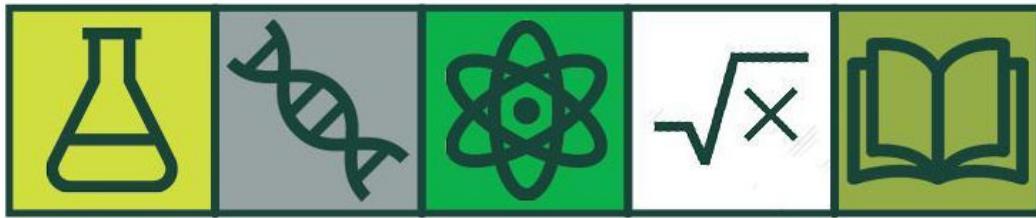


Lyman Briggs College Annual Research Symposium

2022 Schedule

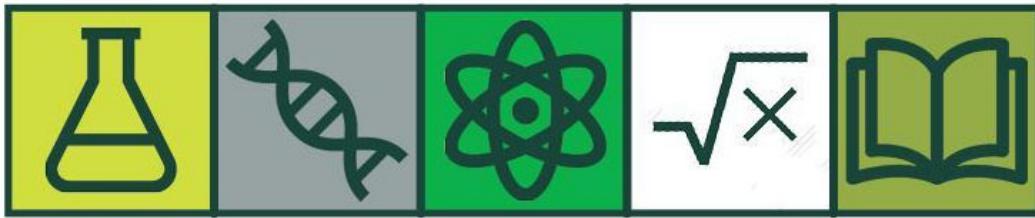
April 25-29



**Lyman Briggs College Annual Research Symposium
2022 Schedule Draft**

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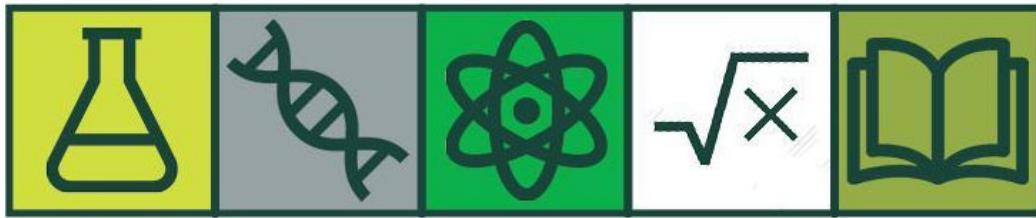
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Virtual Presentations	6
Monday Apr 25	7
MSUFCU Poster Session (Tuesday, Apr 25th 6-8:30pm)	13-15
Tuesday Apr 26	16
Wednesday Apr 27	19
Thursday Apr 28	21
Friday Apr 29	23



Lyman Briggs College Annual Research Symposium 2022 Schedule Draft

Full schedule of participating classes and times

LB 144	Apr 27 7:00pm - 9:00pm
LB 171	Apr 25 11:30am
LB 172	Apr 25 12:40pm
LB 172	Apr 25 1:50pm
LB 172	Apr 26 10:20-11:40am
LB 172	Apr 25 9:10am
LB 172	Apr 25 3:00
LB 172L	Apr 26 through April 29, varying times
LB 325B	Apr 27 8:10-9:20am
LB 348	Apr 29 12:40-1:30pm
LB 492	Apr 26 & 28 10:20am - 12:10pm



Lyman Briggs College Annual Research Symposium 2022 Schedule Draft

Monday April 21st

Virtual presentations available at <https://lymanbriggsstudentshowcase.hcommons.org/>

Monday April 25th

Poster session – East and/or West Holmes Lounge

LB 172	Barnard	9:10am
LB 171	Cass/LaDuka	11:30am
LB 172	Cass	12:40pm
LB 172	Cass	1:50pm
LB 172	LaDuka	3:00pm

MSUFCU Poster Session – East and West Holmes Hall

6:00-8:30pm

6-8:15pm – Poster presentations and judging



8:25pm - Awards announcements – East Lounge

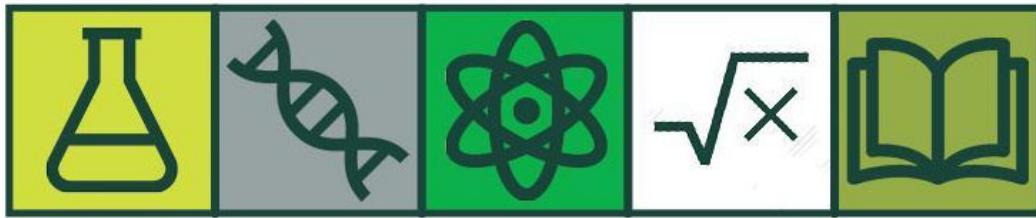
Tuesday April 26th

Oral Presentations

LB 172L	Barnard	11:10 – 2:00pm	C6/C7 Holmes
LB 492	Smith	11:15-12:15	W40 Holmes
LB 172L	Livingston	6:10 – 9:00pm	C6/C7 Holmes

Poster session – East/West Holmes Lounge

LB 172	Livingston	10:20-11:40am
LB 492	Smith	10:20am - 11:10pm



Lyman Briggs College Annual Research Symposium 2022 Schedule Draft

Wednesday April 27th

Oral Presentations

LB 172L	Sewell Davis	8:00 – 10:50am	C6/C7 Holmes
LB 325B	Louson	8:10 - 9:20am	C 101 Holmes
LB 172L	Barnard	11:10 – 2:00pm	C6/C7 Holmes
LB 172L	Livingston	3:00 – 5:50pm	C6/C7 Holmes
LB 172L	LaDuka	6:10 – 9:00pm	C6/C7 Holmes

Poster session – East Holmes Lounge

LB 144	Urquhart	7:00 - 9:00pm
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Thursday April 28th

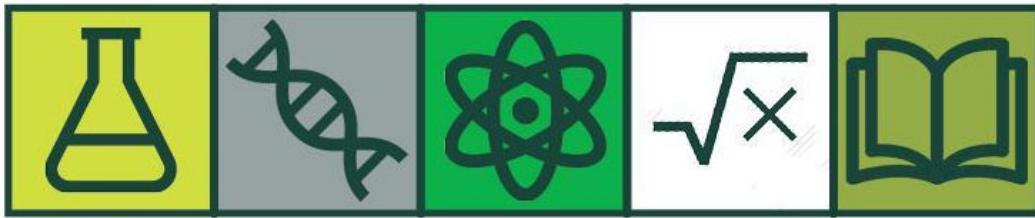
Oral Presentations

LB 172L	Sewell Davis	8:00 – 10:50am	C6/C7 Holmes
LB 172L	Sewell Davis	11:10 – 2:00pm	C6/C7 Holmes
LB 172L	Livingston	3:00 – 5:50pm	C6/C7 Holmes
LB 172L	Livingston	6:10 – 9:00pm	C6/C7 Holmes
LB 492	Smith	10:20am-12:10pm	

Friday April 29th

Oral Presentations

LB 172L	Sewell Davis	8:00 – 10:50am	C6/C7 Holmes
LB 348	Wassink	12:40 - 1:30pm	In C102



**Lyman Briggs College Annual Research Symposium
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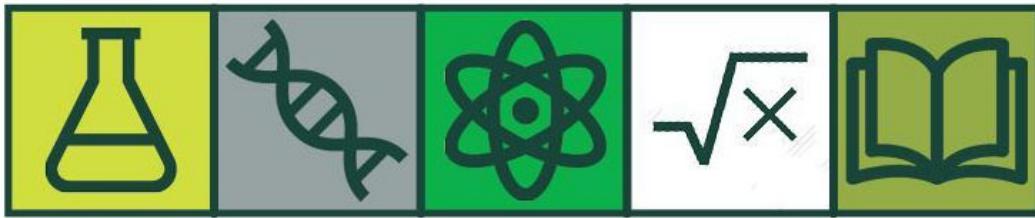
Virtual Presentations – Available starting April 21st

Presentations can be found at

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

Titles are linked to the posting for each.

Title	Authors
<u>Developmental role of mast cells in systemic thermoregulatory and neuroinflammatory responses to lipopolysaccharide administration</u>	Vidhula Srinivasan, Stina Hench, Natalia Duque-Wilckens, Adam Moeser, A.J. Robison
<u>Exposure from per- and polyfluoroalkyl substances in infants through human milk</u>	Megha Pratapwar, Sarah Comstock
<u>Consumption of Whole Grain Wheat has Minimal Impact on Human Gut Microbial Diversity</u>	Eliot Haddad
<u>The Role of the Medial Amygdala to Ventral Pallidum Brain Pathway in the Regulation of Social Play Behavior</u>	Navya Kalia
<u>Understanding microRNA Functions in Pancreatic Cancer Mouse Models</u>	Srushti Pandya , Katherine Powell, Lorenzo Sempere
<u>A Python-Based approach to teaching metabolic modeling</u>	Antwan Green, Joshua Kaste, Yair Shachar-Hill
<u>Effects of maternal lead exposure and restricted home cage bedding on caregiving in female rats and later offspring socioemotional behaviors</u>	Simran Singh



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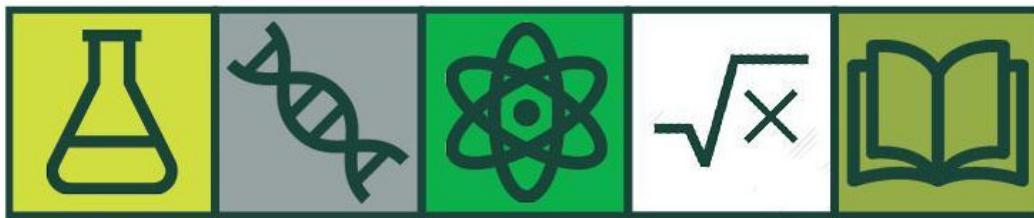
Monday April 25th

LB 172 (Barnard) Poster session – West Lounge – 9:10-10am

Title	Authors	Location
How do heavy metals in water impact public health in Michigan?	Fiona Flynn, Abby Johnson, Diane Evans, Joshua Prabhu	W(1)
Environmental impacts of biodiesel as an alternative combustible fuel	Jersee Balczak, Manvir Bamrah, Claudia Colligan, Derek Dinkins	W(3)
Landfills Effect on the Environment and the Health of Individuals	Claudia Drake, Sam Grimes, Jack McNamara, Redita Rahman	W(5)
Effects Chemicals in Sunscreen Have on our Oceans	Samantha Martin, Jaime Parker, Chloe Lohman, Anthony Paivarinta, Ethan Prose	W(7)
The benefits of nuclear energy compared to fossil fuels	Josie Scott, Sage Malone, Jason Reeb, Ashor Rairigh	W(9)
The Effects of Mining Runoff on Soil and Plant Life	sarah gilchrist, Olivia Griffith, Kayla Bello, Olivia Haass, Collin Dobson	W(11)

LB 171 (Cass) Poster session – West Lounge – 11:30-12:20pm

Title	Authors	
Advil	Sofie Dye, Ally Nathan, Sam Wander, Nicole Cattivera	W(1)
Are Pesticides ruining our Agriculture?	Alexa Baker, Madison Kepros, Maryam Rafo, Angie Eyde	W(2)
Is Benzophenone a Safe Ingredient in Sunscreen?	Ridwan Sheikh-Omar, Alex Terry, Helena Haddad, Imaad Malik	W(4)
Chemical project	Alexandra Perry, Riya Kapadia, Dylan Grimm, Christian Zachariah	W(6)
Caffeine	Emily Hendrick, Olivia Smith, Katy O'Neill, Zack Arbogast	W(8)
Dextroamphetamine	Emily Schley, Caroline Gawronski, Eva	W(10)

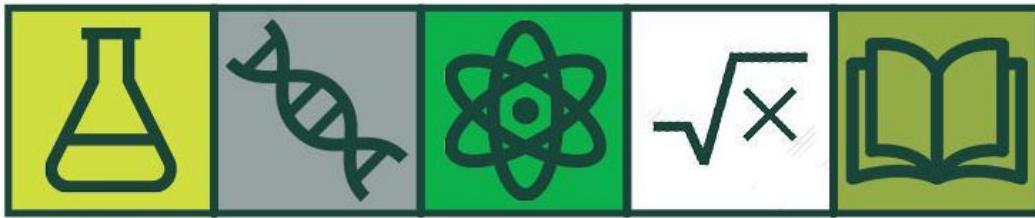


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	Conley	
Morphine Double edge sword	Katy Smith, Delaney Flavin, Joseph Nona	W(12)
Capsaicin Presentation	Kellie Corrion, Mohammad Mohammad, Kimani Williams, Safa Karaein	W(14)
What is Stearic Acid and what are its Dangers	Maggie McElroy, Ana Nojkova, Nathaniel Deppen, Rain Woodard	W(16)
Skin Care Gone Wrong: Sodium Laureth Sulfate	Natalie Horton, Andie Wolfe, Chase Brodsky, Haley Preston	W(18)
Double Edged Effect of Lexapro	Ali Hayat, Ashleigh Strong, Paige Nikollau	W(20)
Fentanyl - Double Edged Opioid	Larkin Dulaney, Stella Moline	W(22)
Double-Edged Fertilizer	Kelsey Socher, Allison Marie Joseph, Emily Paul	W(23)
Hydrogen Peroxide	Katie DeVlaminck, Bria Vandermolen, Monica Zell, Sophie Smith	W(24)

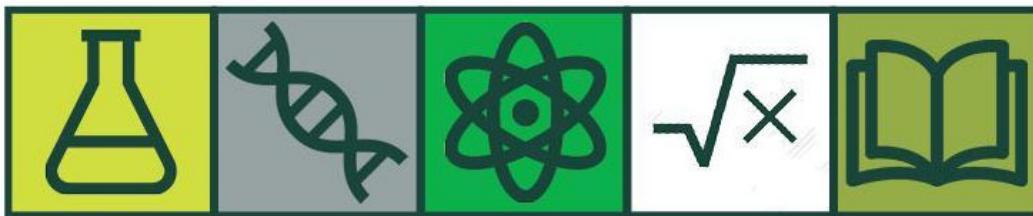
LB172 (Cass) Poster session – West Lounge – 12:40-1:30pm

Title	Authors	
Effects of Coral Bleaching on Marine Life	Allison O'Donnell, Autumn Shook, Saketh Bathula, Sneha Challa, Mia Hernandez	W(1)
Chernobyl's Effect On the Environment	Stephanie Danner, Arielle Shlafer, Camila Martinez, Dominick Stoops, Erika Bevelheimer, Liv Rogers	W(2)
The Environmental Impact of Volcanic Eruptions	Ethan Chu, Derek Haggard, Johnny Rioux, Leo Mina	W(3)
The Effects of Estrogen Pollution on Animal Populations	Joseph Romanelli, Henry Moran, Matthew Dull, Nolan Long, Vivek Bhan	W(4)
The Effects of Acid Rain on Aquatic Life	Saif Juma, Zachary Beatty, Em Treger, Adetayo Jason Ogundipe, Melina Catenacci	W(6)
The Effects of Polystyrene on Living Organisms	Emma Gerds, Izzy Stickney, Kate	W(7)



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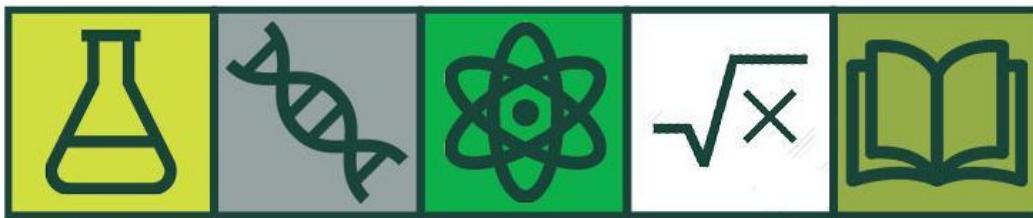
	Stewart-Barnett	
How plastic beads in cosmetic products affect aquatic life	Insiyah Shakir, Eman Khan, Rithika Kale, Abby Connell	W(8)
Relationship between dissolved oxygen content and algal bloom proliferation in the Charles River Region	Vinit Patel, Brenna Byars, Yash Khiraya, Alex Chirillo	W(10)
Acidification of the Great Lakes and its Effect on Wildlife	Katie Lobdell, Kian Bukowski, Emily Eremia, McKenna Battjes	W(12)
The Environmental Impact of Fireworks	Seema Shah, Elizabeth Courtright, Joseph Kesto, Mallory Bergmann	W(13)
Effects of Acid Rain on Aquatic Life	Brandon Grimes, Charlie Mervak, Anastasia Orlandi, Riley Rosenthal	W(14)
Sonochemistry	Nina Aitas, Kap Kapoor, Zainab Mehdi, Maggie Rathburn	W(16)
Suicidal Shrimp	McKenzie Kennedy, Grace Daly, Cater Pasternak, Veronica Rodriguez, Joshua Bertman	W(18)
Be careful what you paint with: it may be toxic!	Veronica Pargulski, Ruthvik Pudale, Ali Farooqui, Anika Kurichh, Anjali Thomas	W(20)
The Effects, Statistics, and Prevention of Acid Rain	Makayla Hart, Celina Ibri, Sydney Nguyen, Remington Stapp	W(21)
Acid Rain and Its Effects on the Environment	Sophia Caron, Anthony Mulhem, Anirudh Agaram, Sydney Vangessel, Victor Hugo Gamez	W(22)
Saltwater Aquarium Fish: Hold the Cyanide	Julia Doherty, Julia Cicatello, Tory Purton, Chance Wilson	W(23)
Affects of Tequila Production on the Environment	Elijah Cole, Ellyn Skodack, Andrew Koch, Brooke Seelenbinder, Grace Whipple	W(24)



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LB172 (Cass) Poster session – West Lounge – 1:50-2:40pm

Title	Authors	
Waste less, Save more, Live more	Julia Harrison, Leo Sanabria, Demetrios Stathakios, Mackenzie Wright	W(1)
Effects of Urbanization on CO2 Emissions	Kaitlyn Kouba, Vasudha Nimmagadda, Zaynah Ateequi, Connor Dolby-Arnoldy	W(2)
The Impact of Aerosol Pollution	Lily Wathen, Layla Ismail, Adeeba Rahman, Patrick Stanley	W(3)
Phthalates make plastic harder to decompose which negatively affect human health and the environment	Kailyn Butler, Alwin Joseph, Elizabeth Hall, Niranjana Magesh, Sophie Apple	W(4)
Cyanobacteria	Laasya Koduri, Pardeep Singh, Vikshita Pallerla, Jayden Robert Conklin, Dhitia Doddamreddy	W(6)
Agent Orange	Nicole Peters, Michael LeTarte, Hannah Penfold, Diana Abbou	W(8)
The Impact of the Meat and Dairy Industry on Climate Change	Natalie Mulheron, Isabella Slifko, Francesca Baker, Kellas Ide, Justin McNulty	W(10)
Doom Bloom: Environmental Impacts of Eutrophication	Kayla Mizell, Krishna Kottai, Rajan Singh, Rhea Raut	W(12)
The effects of pH and global warming on the Great Lake's aquatic life	Michael Halagian, Elizabeth Lavin, Sejla Sinanovic, SunYoung You	W(14)
Wild Fires	Ella Cowhy, Sommer Kotch, Carly Ortwine, Julia Eichberger, Olivia Strey	W(16)
The Effect of Lead Corrosion on Child Cognition	Anna Maria Kitsios, Jamie Marx, Rishika Gottumukala, Jishnav Arcota, Daisy Jakkula	W(18)
The Chemistry behind Acid Rain: Its effects on the environment and humans	Nolan Gergar, Kayla Wehner, Bridget Florido, Harshini Padala, Yashhvardhan Rajput	W(20)
The trees are gone. Now what? Deforestation and its Impact	Katherine West, Sajid Alam, Leanne Li, Omar Salim	W(21)
The effects of the meat industry, releasing carbon and	Kennedy Zaremski, Atef Choudhury,	W(22)

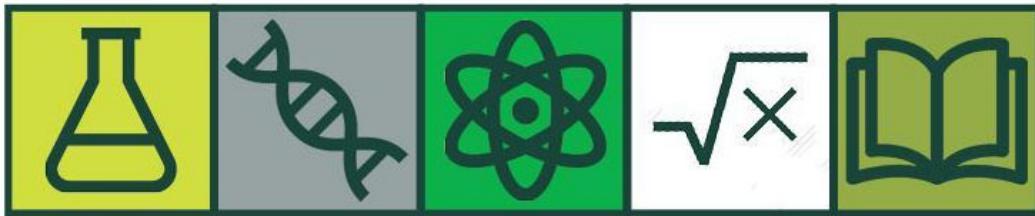


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methane emissions into the environment and atmosphere	Jaden Loy, Madison Tate-Rankin	
Eutrophication in the Gulf of Mexico	Annabelle Knott, Dibakar Roy, Annalise Vary, Ella Were	W(23)
Soil Depletion and its Processes	Evan Petrovitch, Alicia Hill, Jessica Lessel, Aamir Baig	W(24)

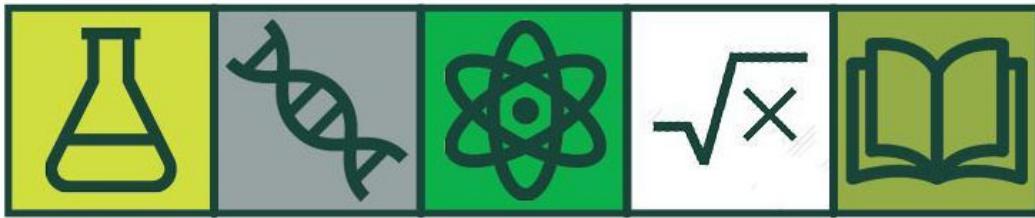
LB172 (LaDuka) Poster session – East/West Lounge – 3:00-3:50pm

Title	Authors	
Infrared Radiation and Extreme Weather	Mackenzie Morton, Tiya Patel, Kelsey Neill, Makhya Parham	E(1)
The Effects of Atmospheric Free Radicals on Ozone Depletion Kinetics	Shreeya Belagali, Emily Abbott, Tanishaa Bains, Mitra Bijoy	E(5)
The Effects of Microplastics on Wildlife	Ellie Sarda, Caleb Pelong, Eric Puttaiah, Molli Thibodeau	E(9)
Ocean's Absorbing Greenhouse Gasses	Mary Hasso, Malakia Khan, Jacqueline Hawkins, Akshay Jayaraman	E(11)
Helium Is Running Out	Alicia Estell, Sara Elyas, Nathan Glime	E(13)
The Explosive Discoveries about Volcanic Ash	Delaney Groninger, Hannah Gordon, Sydney Hall, Christine Huynh, Quynh Anh Tong	E(15)
Urea-rry Need to See This	Gwen Pratt, Ananya Chadha Rao, Reid Joseph William Scheinman, Jack Joseph Stanley, Zoriana Victoria Sobol	E(17)
Eutrophication in Great Lakes	Mithra Aroul, Lauren Apostolakis, Jason Baker, Aditya Arun	E(19)
CO2 Levels Affecting Oceans and Atmosphere	Sarah Krivitzky, Rayyan Hassan, Emily Kainaya, Logan Haley	E(21)
Coral Bleaching	Pritika Manna, Aria Kingstrom, Claire Mykols	E(23)
Macro Farming's Micro Impacts	Sarah Johnson, Sammantha Caywood, Brooke French, Tanvi Joshi	W(1)
Lead Concentration in Water Systems	Zoya Malik, Andy Kuo, Eman Lasisi, Zahreef Kazi	W(3)
Livestock Emissions	Georgia Berger, Bennett Den Houter,	W(5)



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	Brennan Eagle, Krishna Devulapalli	
Effect of the Nitrogen Cycle on Aquatic Environments	Isaac Abraham, Ethan Gabriel Fisher, Mostafa Ghanem, Bradley Corteville	W(7)
BPA Contamination in Water	Mikayla Malone, Natalie Mourou, Samra Mujic, Max DaSilva	W(9)
Ecological and Environmental Impacts of PFAS	Annie Nguyen, Mithil Penta, Joseph Nolan, Miranda Ostrowski	W(11)
The Effects Of Acid Rain On The Environment	George Boulos, Isabelle Brewer, Ankith Basavalingiah, Jack Coyle	W(13)



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MSUFCU Poster Session – East and West Holmes Hall – 6-8:30PM

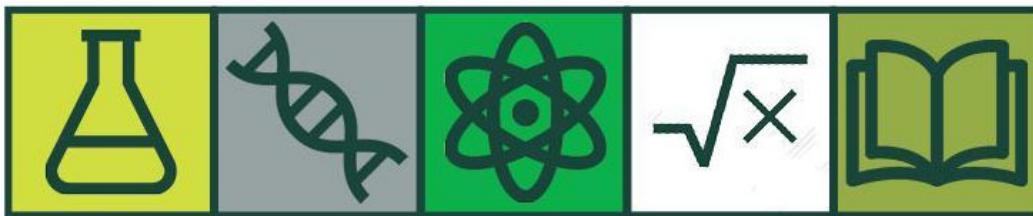


Monday Apr 25, 2022

Presentation and Judging 6-8:15 pm

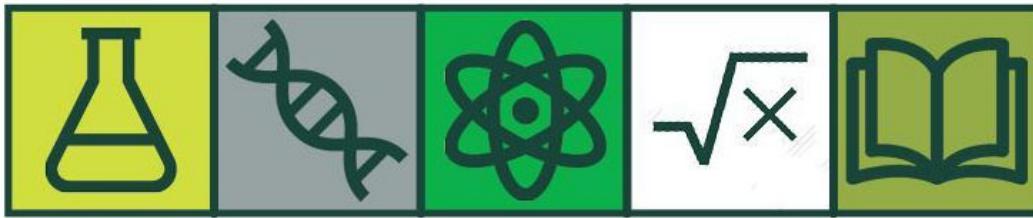
Awards announced at 8:25(ish) in East Lounge

Title	Authors	Location
Mapping the neurotransmitter populations across development and sex in the brain's central timekeeper, the suprachiasmatic nucleus	Krystal Jang, Alexander Yaw, Lorenzo Sempere, Hanne M Hoffman	E(1)
Faster resolution of inflammatory pain in male mice compared to females is associated with higher production of interleukin (IL)-10	Karli Monahan, Geoffroy Laumet	E(2)
Effects of grass-fed beef suet and liver supplementation on fatty acid profile of chicken eggs	Vijayashree Jambunathan, Selin Sergin, Ashley Armstrong, Jenifer I. Fenton	E(3)
Does weather suitability for pollination affect blueberry yield?	Fletcher Robbins, Rufus Isaacs, Jackie Perkins, Jenna Walters	E(4)
A comparison of neurotypical men and women to women with Turner syndrome on the Reading the Mind in the Eyes task	Reid Blanchett, Nazia Haque, Rebecca Knickemeyer	E(5)
Role of tumor-released small extracellular vesicles in cancer pain	Christine Evans	E(6)
Oxybenzone exposure affects normal mammary gland development in BALB/c mice	Calista Busch, Olena Morozova, Anastasia Kariagina, Sandra Z. Haslam, Richard Schwartz	E(7)
Effect of feeding transition milk for two days on calf growth and health	Cora Schau, Brandon Van Soest, Dr. Miriam Weber Nielsen	E(8)
Influence of Basal Cortisol Levels on Structural Brain Development in Infancy	Mackenzie Greene	E(9)
TAR Cloning of SARS-CoV-2	Kathyne C. Rojeck, Sunan Li, Yong-Hui Zheng, Silas F. Johnson	E(10)
A comparison of the success and survivorship of Colorado potato beetles on resistant and control potato plants	Olivia Jeris	E(11)
Characterizing midbrain dopamine projections to the insular cortex in Disrupted-in-Schizophrenia-1 mice	Victoria Fex	E(12)



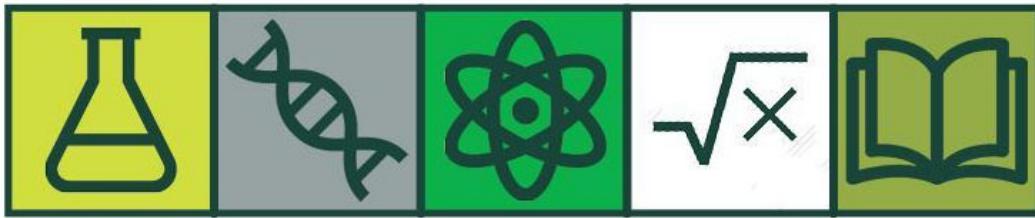
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The Role of Aryl Hydrocarbon Receptor Polymorphisms in Modulating 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-induced HMGCR expression	Zach D'Haem	E(13)
Optimization of ex vivo approaches to dissect neutrophil functions during infection	Olivia Beckman	E(14)
Investigation of Antibiotic Resistance Genes in Human <i>Escherichia coli</i> Isolates from Wyoming, 2002-2020	Bailey Bowcutt, Shannon D. Manning	E(15)
Prenatal Characteristics Associated with Maternal BMI and Fecal Microbial Communities	Nikita H. Nel, Eliot N. Haddad, Sarah S. Comstock	E(16)
Gap junction intercellular communication, a central biomarker for determining PFAS-toxic effects	Jamie E Liebold, Lizbeth Lockwood, Brad L. Upham	E(17)
Does TfoY alter cyclic-di-GMP levels to positively regulate motility in <i>Vibrio Cholerae</i>?	Brennan Grimes	E(18)
Disruption of a putative caspase site within DNA-PKcs results in increased resistance to DNA damaging agents	Carolyn Stults, Christopher Buehl, Kathryn Meek	E(19)
Effects of General Anesthesia and Gut Microbiome Composition on Myelin in Mice	Charlotte Best, Dr. Rebecca Knickmeyer, Harikesh Dubey	E(20)
Host Evaluation of Selected Oilseed Radishes as Cover Crops for Beet Cyst Nematode Reproduction	Ellie Zebas	E(21)
Can You Go Home Again: Glucose Re-adaptation of Citrate-using <i>E.coli</i>	Maximo Clark	E(22)
Oxytocin signaling is necessary for human epicardial stem cell activation	McKenna Dooley, Allison Mitchell, Aaron Wasserman, Aitor Aguirre	E(23)
Crash Course: Density-Dependent Phage Infection in <i>Vibrio cholerae</i>	Drew Beckman, Christopher Waters	E(24)
Going Greener with Grignard	Vismaad Nagra	W(1)
Dissolved Oxygen in the Oceans	Nina Aitas, Nico Deleon, Caleb Pelong, Brooke Seelenbinder	W(2)
Microbeads	Emma Wilson, Ella Huff, Aaron Guggenheimer	W(3)
Water Quality of the Great Lakes	Grace Urban, Abbey Carvey, Vasudha Nimmagadda	W(4)
Restrictions on Angular Joint Motion in Shoulders and Increasing of Range of Motion	Madelyn Jeffrey	W(5)
A New Age for Justice: Discovering the Factors that Contribute to the School to Prison Pipeline	Paige Alexander	W(6)
Vaccination Rate Determinants	Aiden Hannapel	W(7)
Undergraduate Learning Assistant Roles in STEM Classrooms and Laboratories	Allie Swartz, Hannah Rick	W(8)
Student Experiences with ULAs	Regan Levy, Brianna Hicks	W(9)



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Creating a Welcoming Environment: What works for youth in a community-based YPAR initiative?	Audriyana Jaber	W(10)
Narrative Processing of Music: How Culture Influences Our Perception of Music	Grace Bonnema, Tushya Mehta, Khushi Kapoor	W(11)
Identifying Adolescent Self-Harmers In An Outpatient Setting: Do Parent Reports Matter	Harsna Chahal, Jared Warzynski	W(12)
Psychiatric electroceutical interventions and their potential to influence personality: A cross-analysis of survey and interview results	Marissa Cortright, Robyn Bluhm, Eric Achtyes, Aaron M. McCright, Laura Y. Cabrera	W(13)
Cancer Cell Line Therapeutic Window Evaluation Through 3D Cell Viability Assay	Zach Miller	W(14)
Saccade Vigor in Schizophrenia and Bipolar Disorder	Zeeba Ali	W(15)
Parental Coping Strategies Varied By Their Perceived Stress Level During COVID-19 Pandemic	John Sobah, Saif Juma	W(16)
College-Aged Students as Agents of Change to Improve Healthy Eating Among Friends and Family	Lasya Marla	W(17)
The Epistemic Threat of Deepfakes to Scientific Information	Logan Patterson	W(18)
Racial Misclassification of American Indian and Alaskan Natives in Epidemiological and Public Health Statistics	Danielle Gartner, Ceco Maples, Madeline Nash, Heather Howard-Bobiwash	W(19)
Out of Sight, Out of Mind: Epistemic Exclusion of People of Color Across STEM Disciplines	Lexi Nadolsky, Arika Hawkins, Hannah Douglas	W(20)



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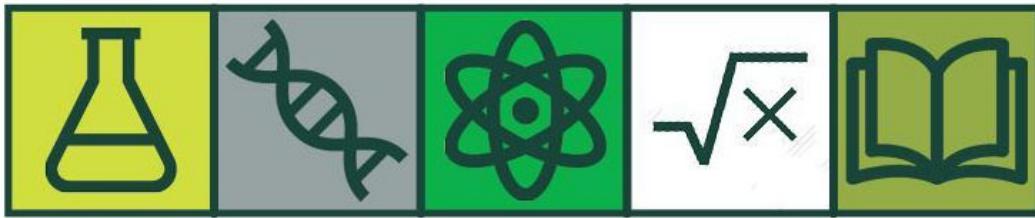
Tuesday April 26th

LB 492 (Smith) Poster session – West Lounge – 10:15-11:10am

Title	Authors	
Nature vs Nurture in Autoimmune Disease: Do you become what you eat?	Claire Wilusz	W(1)
The Rise in ADHD Diagnoses: A Product of Modern Society	Madi Gallivan	W(2)
Alcohol Use Versus Abuse: The Role of Alcohol Consumption in Humans	Renee Harbowy	W(4)
The Past, Present, and Future of the Antimicrobial Resistance Crisis	Heather Sayles	W(5)

LB 172 (Livingston) Poster session – East/West Lounge – 10:20-11:40am

Title	Authors	
The Problem with Oil Spills	Omar Chaudhry, Laurence Newmeyer, Olivia Beckman, Marena Haidar	W(1)
The Effect of Sunscreen on Coral Reefs	Serena Bush, Annika Schoenherr, Ben Kissonergis	W(2)
BOOM! Radioactive Effects from Nuclear Power Plant Explosions	Payson Fraser, Anmol Gill, Emma McLean, Nicole Bimbad	W(4)
Effects of Forest Fires	Meenakshi Kannan, Chesni Birgy, Zach Galan	W(6)
The Dangers of Heavy Metals Entering Waterways	Imani Rinke, Kendall Kindzierski, Grace Urban, Tad Swanson	W(8)
The Effect of Nutrient Pollution on Coral Reefs	Isabella Rinaldi, Nick Tibaldo	W(10)
Catastrophic Compounds	Skylar Fusco, Amelia Mitchell, Srushti Patel, Adam Raysin	W(12)
Breaking Biomes	Spencer Raysin, Alex Petrovitch, Brendan Farhat	W(14)



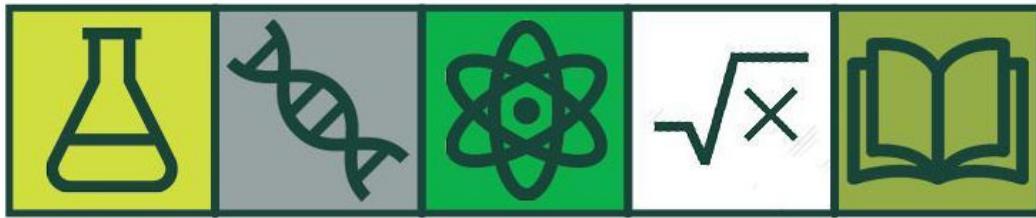
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Microbeads: Microscopic Culprits on a Global Scale	Aaron Guggenheimer, Ella Huff, Emma Wilson	W(16)
Ghostly Reefs: How Climate Change is Killing Earth's Greatest Ecosystems	Anna Carron, Kaleb Mollette, Dharshini Senthilkumar, Yesha Thacker, Odin Lim	W(18)
The Effects of Global Warming on Hurricane Intensity	Sophia Lucki, Maya Attal, Jessica Herrera, Samantha Bahu	W(20)
Deforestation and its Effects on the Environment	Shreya Kankanalapalli, Isabelle Dally, Mia McNinch, Brandon Dishaw	W(22)
Sunscreen: Protects Us, Harms Oceans	Bella Pilon, Ellie Barron, Tina Lin, Andrew Mamo, Arjun Bhooi	W(24)

LB 172L (Barnard) Oral Presentation – C6/C7 – 11:10-2:00pm

Section 1 &12

Title	Authors
Notable Safety Precautions and Procedures in Lab	Isaac Abraham, Mary Hasso, Katelyn Stewart-Barnett, Colton Boguszewski
CO2 Effects on Climate Change	Anastasia Orlandi, Ashor Rairigh, Inez Herrada Maher, Mackenzie Morton, Liam Markell
How to Hit the Mark and Get it Right	Ellie Sarda, Arielle Shlafer, Tyler Rybak
Buffers	Allison O'Donnell, Kevin Rice, Jason Baker, Regan Levy
CO2 Emissions	Redita Rahman, Ankith Basavalingiah, Makhya Parham
Titration in the Food Industry	Gwen Pratt, Taylor Addams, Abby Johnson
Solubility Enhancement for Hydrophobic Drugs	Sophia Caron, Katherine West, Brooke French
The Accuracy and Precision of Shooting Hoops	Brenna Byars, Claudia Drake, Joshua Prabhu, Saketh Bathula



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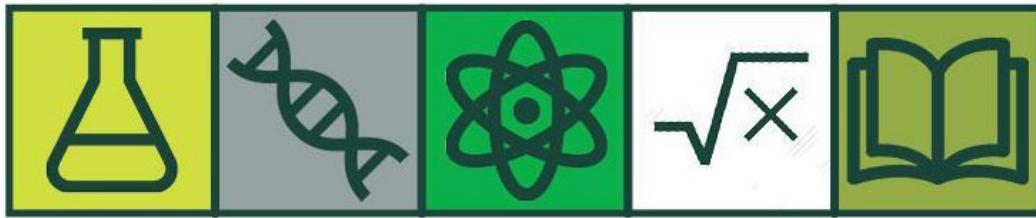
LB 492 (Smith) Oral Presentation – W40 Holmes– 11:15-12:15pm

Title	Authors	Time
The Evolution of Antibiotic Resistance and the Present Day Effects	Pooja Peter	11:15
The Evolution of Menstruation Across the Animal Kingdom	Olivia Jeris	11:30
Opioid Addiction	Cassandra Marcola	11:45
Comorbidity between Post-Traumatic Stress Disorder and Substance Abuse	Kaitlyn Eberhardt	12:00

LB 172L (Livingston) Oral Presentation – C6/C7 – 6:10-9:00pm

Section 2 &13

Title	Authors
Effect of different energy sources on CO2 emissions	Kennedy Zaremski, Madison Fernandes, Jason Reeb, Kaleb Mollette
Micelles Beat Cancer	Nicole Peters, Claire Mykols, Annie Nguyen, Anmol Gill
Eroding Teeth	Scarlett Draper, Quynh Anh Tong, Harshini Padala, Riley Rosenthal
Biodiesel as an alternative fuel source	Rajan, Christopher, Patrick, Sajid
Spectroscopy and Dye Absorption in Sports Drinks	Elena Toomajian, Josie Scott, kayla wehner, Aditya Arun



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Wednesday April 27th

LB 172L (Sewell Davis) Oral Presentation – C6/C7 – 8-10:50am

Section 3 &14

Title	Authors
Rate of Nuclear Recycling or Decay	Sammie Caywood, Sophie Apple, Sydney Nguyen
Limiting Reactants in Real Life	Hannah Penfold, Rayyan Hassan, McKenna Battjes, Ruthvik Pudale
Real World Titration Applications	Emily Abbott, Arjun Bhooi, Annabell Knott

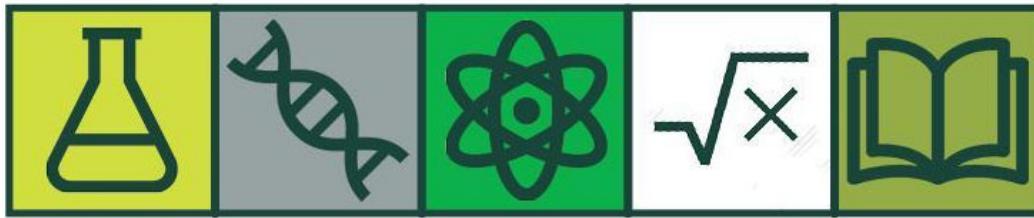
LB 325B (Louson) Oral Presentation – C101 – 8:10-9:20am

Title	Authors
Human Interaction on The Great Lakes	Kian Bukowski
Annapolis, Maryland Coastline	Stephanie Danner

LB 172L (Barnard) Oral Presentation – C6/C7 – 11:10-2:00pm

Section 4 &15

Title	Authors
Spectacular Stain Spectroscopy	Jordyn Thrall, Adam Raysin, Alec Steimel, Ananya Rao
Implications of Soap	Eric Puttaiah, Brendan Farhat, Amelia Mitchell, Victoria Rzhevskiy



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LB 172L (Livingston) Oral Presentation – C6/C7 – 3-5:50pm

Section 5 &16

Title	Authors
The future of biofuels as an alternative energy source	Manvir Bamrah, Imani Rinke, Jadesola Soile, Mihir Patel
The Role of Spectroscopy in Neutrophil Research Using Flow Cytometry	Isabella Slifko, Somi Bollavaram, Maddy Mayhew, Olivia Beckman
Ocean Acidification and CO₂ Solubility	Kayla Mizell, Erika Bevelheimer, Stephanie Danner, Sam Grimes
The Water Quality of Lake Erie and its Effects on the Wildlife due to Dissolved Oxygen Fluctuation	Joseph Romanelli, Anthony Paivarinta, Bridget Florido, Veronica Rodriguez

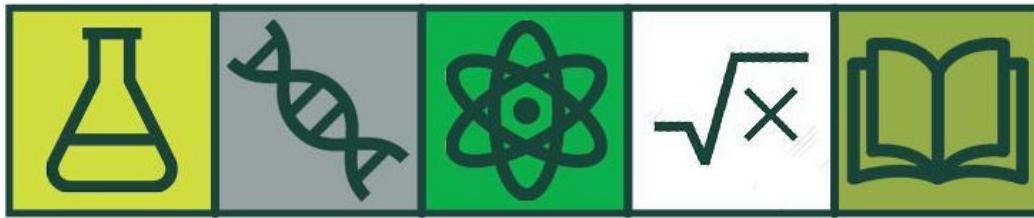
LB 172L (LaDuca) Oral Presentation – C6/C7 – 6:10-9:00pm

Section 6 &17

Title	Authors
CO₂ in the Atmosphere	Katie Lobdell, Andy Kuo, Brennan Eagle, Carly Ortwine
Soap Composition and its Effects	Brandon Grimes, Adeeba Rahman, Emily Kainaya, Omar Chaudhry
Water Quality	Lily Wathen, Kevin Gibbons, Delaney Groninger, Zoriana Sobol
Climate Change: Atmospheric Carbon Dioxide	Sara Elyas, Alicia Hill, Layla Ismail, Evan Petrovitch
Bicarbonate Buffer System in Blood	Max DaSilva Elizabeth Courtright, Rhea Gainadi, and Demetri Stathakios

LB 144 (Urquhart) Poster session – East Lounge – 7:00-9:00pm

Title	Authors	Location
Multiple Presentations - TBD		
Shedding Light on Mealworms: The Effect of Light Pollution on <i>Tenebrio molitor</i> Feeding Behavior	Shreeya Belagali, Kevin Gibbons, Allison Stopke, Kit Weigle	E(1)



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Thursday April 28th

LB 172L (Sewell Davis) Oral Presentation – C6/C7 – 8-10:50am

Section 7 & 18

Title	Authors
A Technological Approach To Resolving The Climate Crisis	Morgan Goudie, Celina Ibri, Isabelle Ratcliffe, Chance Wilson
Water quality and how it affects aquatic wildlife	Julia Doherty, Alexandria, Leo Mina, Ali Farooqui
The Medical Usage of IMFs	Ethan Chu, Matthew Dull, Johnny Rioux, Leo Pereira

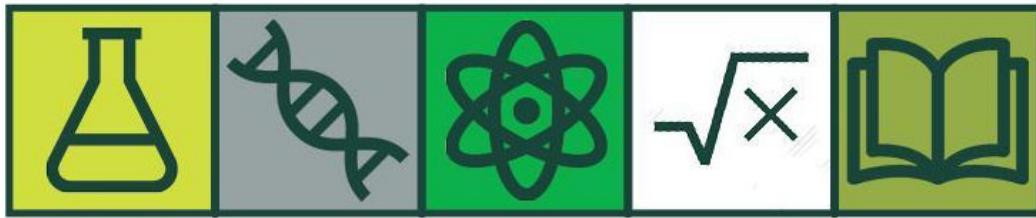
LB 492 (Smith) Oral Presentation – W40 – 10:15-12:15pm

Title	Authors	Time
Schizophrenia and Autism: More Similar Than We Thought?	Lauren Linenfelser	10:15
Evolutionary Effects of Anxiety in Society and Medicine	Alicia Strbik	10:30
The Price We Pay for Pain	Ella Spicketts	10:45
Stress: An Evolutionary Perspective	Kate Gavagan	11:00
Gambling Addiction	Nick Popovski	11:15
Investigating the Evolutionary Reasoning for Why Imprinted Genes Cause Mental Illness	Hanna Mabesa	11:30
How Gut Microbiomes Affect Human Behavior	Joe Hanania	11:45
The Evolution of Teen Pregnancy	Kya Sparks	12:00

LB 172L (Sewell Davis) Oral Presentation – C6/C7 – 11:30am-2:20pm

Section 8 & 19

Title	Authors
Soap and biodiesel synthesis	Veronica Pargulski, Melina Catenacci, Derek Dinkins, Logan Haley



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LB 172L (Livingston) Oral Presentation – C6/C7 – 3-5:50pm

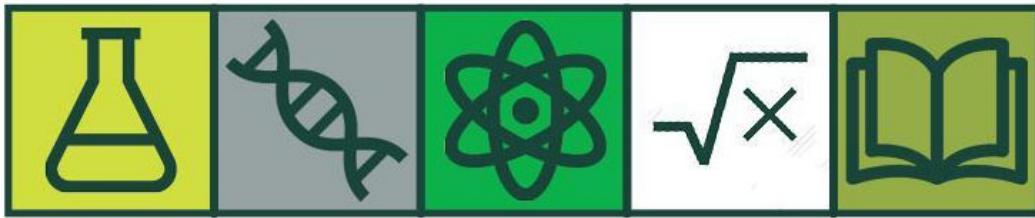
Section 9 & 20

Title	Authors
Solubility of pollutants within the U.S. ecosystem	Anirudh Agaram, Srushti Patel, Shreya Chavva, Vivek Bhan
How economic is it to make soap and biodiesel at home	Ethan David Prose, Krishna Devulapalli, Nathan Vogel
Significance of Blood Buffers on Enzyme Function	Pardeep Singh, Zach Galan, Alex Kraus, Adam Khanfar

LB 172L (Livingston) Oral Presentation – C6/C7 – 6:10-9:00pm

Section 10 & 21

Title	Authors
Multiple presentations	



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Friday April 29th

LB 172L (Sewell Davis) Oral Presentation – C6/C7 – 8-10:50am

Section 11 & 22

Title	Authors
LB172L Final Presentation	Nupur Huria, Yash Khiraya, Emilee Bellant, Abby Connell
Plus more presentations	

LB 348 (Wassink) Oral Presentation – C102 – 12:40-1:30pm

Title	Authors
Triops drying and mosquitoes dying: How precipitation affects Triops longicaudatus hatch rates	Abhigya Khanal, Anna Kim, Morgan Birthright, Krithi Mallempudi
Can a Prehistoric Crustacean Help Prevent the Spread of Malaria?: The Impact of Temperature on Predation of Anopheles Mosquitoes by Triops longicaudatus	Lauren Grasso, Kate Vinkemulder, Maddie Curtis
Effects of light pollution on dorsal orientation and mosquito (Culex pipiens) predation in Triops longicaudatus	Tahnia Quadri, Sam Rama, Jacob Gantz, Kaitlyn Eberhardt