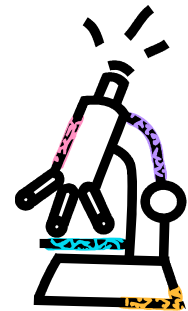


6th annual

***Lyman Briggs
Research Symposium
April 23-24, 2012***



Complete Schedule



**LYMAN BRIGGS
COLLEGE**

**MICHIGAN STATE
UNIVERSITY**

Classes Participating

Room	Specific Time	Class	Title
Monday Oral Presentations			
W-40	10:30-11:30	LB 494	The Popcorn Class
C7	3:00-5:50	LB 172L 001, 007	Chemistry 2 Lab
C7	7:00-9:50p	LB 172L 002, 15	Chemistry 2 Lab

East/West Lounges

Monday Poster Presentations

9:10am- 5:00pm	LB 415	Methods of Theoretical Physics
9:10-10:00am	LB 172	Chemistry 2
12:40-2:20	LB 492	Senior Seminar
12:40-1:30	LB 172	Chemistry 2
1:50-2:40pm	LB 172	Chemistry 2
3:00-3:50pm	LB 172	Chemistry 2
7-8pm	General Posters	

Tuesday Oral Presentations

C7	8:00-10:50a	LB 172L 003	Chemistry 2 Lab
C7	11:30a-2:20p	LB 172L 004	Chemistry 2 Lab
C-101	12:40-2:30	LB 133	Introduction to HPS
C7	3:00-5:50p	LB 172L 005	Chemistry 2 Lab
W-25E	5:00-6:50	LB 492	Senior Seminar
C7	7-9:50p	LB 172L 006, 018	Chemistry 2 Lab

East Lounges

Tuesday Poster Presentations

9:10-10:00am	LB 172	Chemistry 2
10:20-11:40	LB 144	Biology 1
3:00-4:50	LB 133	Introduction to HPS
3:00-3:50	General Posters	
6:00-7:00	General Posters	

Classes Participating

Room	Specific Time	Class	Title
Wednesday Oral Presentations			
C7	3:00-5:50p	LB 172L 009, 019	Chemistry 2 Lab
C7	7-9:50p	LB 172L 010	Chemistry 2 Lab
Thursday Oral Presentations			
C7	8:00-10:50a	LB 172L 011, 021	Chemistry 2 Lab
C7	11:30a-2:20p	LB 172L 012, 022	Chemistry 2 Lab
C7	3:00-5:50p	LB 172L 013	Chemistry 2 Lab
C7	7-9:50p	LB 172L 014, 024	Chemistry 2 Lab

Monday Oral Presentations

Room	Specific Time	Title	Presenter(s) (Class)
W-40	10:30-11:30		LB 494
	10:30	Improving microwave pop performance	Joanna Kukla, Michael Murray, Amanda Pham
	10:50	Comparison of popcorn kernel lipid content as a function of kernel size and corn genotype	Katie Zurek, Laura Yantz
	11:10	Determination of Zein Protein Ratios in Popcorn Kernels of Differing Genotypes and Kernel Sizes	Jenna Millstead, Alysa Butz
C7	3:00-5:50		LB 172L 001, 007
		Cations in natural and potable water	Ally Kunding, Emily Toupin, Samuel Westra, Kevin Thomas
		Testing Vitamin Water	Jennifer Hollen, Diana Jasser, Ryan Owen
		Advantageous Ferrofluid	Joseph Aquino, Elizabeth Long, Nathan Stahl
		LEDs: Molecular Bonding Theory in the Real World	Aamir Bandagi, Eun Taek Lee, Joseph Riedy
		Ions in Fruit juices	Taylor Tagsold, Meghan Cleary, Autumn Apsey, Jake Dekens
		Synthetic Chemistry	Eden Erxleben, Steven Corey, matthew Rayes
		Investigation of Ferrofluids	Allison Lamie, Amber Morson, Stephen Vorenberg
		Another look at Vitamins	Drew Murray
		LED Emission and Temperature Dependence	Kim Vi, Nicholas Sturla, Ramyann Murali
		Deciphering Secret Writing	Gnanadesikan Ramanujam, Anurag Gudeti, Jin Kim, Jamilia Johnson
		Analysis of Vitamins	Christopher Chess, Michael Dery, Kodiak Kollmeyer
		Glue Synthesis	Kindele Lenoir, Grewal bevneet, Shannon Williams
		Vitamin R.C.	Ashwin Easow, Kelly Sinnaeve, Jacob Treadway

Monday Oral Presentations

Room	Specific Time	Title	Presenter(s) (Class)
C7	7:00-9:50p		LB 172L 002, 15
		Ion Concentrations of MSU Water Supplies	Hassan Alber, Ryan Oleynik, Joel McCormick
		Vitamins in the Body	Alyssa McBride, Kelly Stec, Blake Carlson
		Improving the Conduction of a Ferrofluid	Savannah Katulski, Matt Fahr, Patrick Kato, Addonia Raddatz
		Ferrofluids and their Effect on Society	James Conwell, Alecia Bronikowski, Michelle Gross
		LEDS: An in depth analysis on the affect of temperature change on light emitting diodes	Matt Shumate, Jasmine McCoy, Hassan Fadel, Lydia Zieleniewski
		Gummy Bear Up in Flames	Patrick Mulier, Charlie Messerly, David Keller
		Getting the Dirt on Ions	Paige Mueller, Jenna Carter, Alexis Joseph, Jake Emmendorfer
		Biodiesel effectiveness	Ashley Hatfield, Amanda Rice Justin Jabara
		Generic versus Name Brand Vitamins: Is the Cost Really Worth It?	Kayla Hoppe, Jake Pristas, Brandon Stone, Hassan Bazzi
		Vitamins: From Raw material to the body	Kristine Herman, Tyler Hantman, Laura Konsitzke

Tuesday Oral Presentations

Room	Specific Time	Title	Presenter(s) (Class)
C7	8:00-10:50a		LB 172L 003
		Vivacious Vitamins	Roya Oliai, Brooke Burgess, Adam Feurstein, and Kelsey Kenaan
		How Green is Spartan Chemistry?	Rachael Losee, Adam Thelen, Emily Ward
		Ca Ion Exchange in Soil	Mitch Cavanaugh, Aubrey Proctor, Anthony Pawlik
		Ion Examination	Laura Drotar, Hunter Craig, Alex Marsh
		History and Applications of Ferrofluid	Dana Franceschini, Claire Wieszczecinski, Christina Rawetzki
		Making Ferrofluid with Different Oils	Madison VanAntwerp, Elizabeth Lelli, Joanna Noack
C7	11:30a-2:20p		LB 172L 004
		Ice Cream, You Scream!	Maia Rowles, Madeline Vandecapple, Katharina Freiberger
		Lets Clean This Place Up!	Zach Cantor, Komal Mendiratta, Kiren Gopalakrishnan
		Bright Idea	Josh Kim, Colleen Doyle, Alyssa Sandell
		Keepin' It Clean	Cameron Sawyer, Christina Buglione, Michael Staples
		Know Your Supplement	Anna Miller, Ana Hakenjos, Raymund Macksoud, Paul Dionise
		The Future of Ferrofluids	Colby Wollenman, Sonam Sethi, Haley Farkas
C-101	12:40-2:30	Sexism in Science	LB 133 Isabella Wohl
C7	3:00-5:50p		LB 172L 005
		Vitamins in the Water Around Us	Jaqueline Maeroff, Tyler Messenger, Emilie Bourque, and Truman Silvasi
		Iron test of vitamin lab to determine limit of detection	Madeline Ross, Alex Shore, Ashley Koepke, Allannah Hammond
		LED lighting with larger circuit	Victoria Arsenault, Chelsey Fix, AJ VanAlst
		Soap: Debate Between Homemade and Store Bought	Joseph Boensch, Thomas Batcha, Miles Kamalowski
		Vitamin lab to test Red Cedar ions and using flame photometry on the vitamins	Mackenzie Fleischer, Aaron Stebbins, Daniel Jiang
		LED lighting with new and old 9V batteries	Alan Sulpizio, Bilial Hai, Arjun Kalara

Tuesday Oral Presentations

Room	Specific Time	Title	Presenter(s) (Class)
W-25E	5:00-6:50	In-Class presentations	LB 492
C7	7-9:50p		LB 172L 006, 018
		Is it worth it to buy the name brand vitamin?	Nicole Ziegler, Erica Spencer, Wesley Powell
		The importance of vitamins	Timm Cambridge, Alex Chmara, Taylor Graham
		Synthesis of Ferrofluids	Susannah Haupt, Chris Kimble, Nate Benton, and Ashley Jones
		LEDS	Molly Robbins, Christina Bacon, Jenna Mellerowicz
		Real world application of ferrofluids	Collin Richards, Jake Schaub, Katie Raber
		LED	Mrinal Asopa, Hannah Schrauben, Rebecca Ashburn
		In Depth Ferrofluids	Lauren Smith, Stephen Kazmer, Elena Vlachos
		Ferrofluids: practicality in the real world	Alexis Snyder, Aaron Smith, Monica Menon, Abdelaziz Adawe
		Applications of Partition Coefficients	Alex Peterson, Nicole Rando, Angela Amaniapong
		Invisible LEDs	Billy Ratledge, Anna Rutkowski, Desmond Kearsley
		Workout supplement versus vitamins	Mitch Steur, Rina Edelson, Alex Webber
		Vitamins - Quantitative	Cole Scott, Emily Pawlowski, Lauren Reinhold, Madison Ahmad
		Lab 5 Synthesis	Emily Smith, Allison Fedewa, Allison Jennens and Adam Matynowski
		Vitamins - Qualitative	Kenneth Plackowski, Allison Gurney-McMaster, Chantelle Washington

Monday Poster Presentations in East/West Lounges

Displayed Timeslot Morning	Presenter at Poster	Title	Presenter(s) (Class)	East/ West
9:00-11:10am	9:10-10:00am		<i>LB 172 Presentations</i>	
		Acid Rain in Eastern Asia	Krisen Lison, Maura Gibbons, Baraa Osman, Tarek Tabbaa	W
		Effects of Acid Rain on the Environment	Hilary Howard, Kelly Quaine, Katherine Demeuse	W
		The "Black Triangle," Europe's biggest polluter	Dylan Miller, Samantha Hahn, Lauren Selewski	W
		Why Care About the Ozone?	Raven Batshon, John Greene, Keirsten Sanch	W
		Acid Rain in Eastern Asia	Krisen Lison, Maura Gibbons, Baraa Osman	W
		Acid Rain in England and Scotland	Zac Acre, Sarah Gallagher, Annie White	W
		Benefits and Drawbacks of Ozone	Gregorio Ponti, Karen Scott, Casimir Wanczyk	W
		CFCs	Carmen Metzger, Jackson , Sarah	W
		Ozone	Angela Harris, Bo Parsons, Adelyn Ford	W
		Why Worry About the Ozone Hole: Impacts on Biological Activity	Jake Sims, Kathryn Peabody, Jessica Kalin	W
		Acid deposition in China, Japan, and Korea	Jenna Mitchell, Cara Morrison, Kyle Hutchinson	W
		Acid rain and its effects in U.S. and Canada	James Young, James Stabile, Greg Ribble	W
		Human Emitted Chemicals and How They Affect the Ozone Around Us	Mary Connolly, KT HitesLareau, Robert Ray, Kevin Baker	E
		Acid Rain in Your Neck of the Woods?	Kelly Turner, Ross Buckley, Jemma Flood	E
		Ozone: Lifesaver, Threatened	Katherine Thomashow, Laura Cheaney, Joesph Nutter	E
		The affects of acid rain on Norway and Sweden	Eli Guttman, Alex Meisel, Jake Ward	E
		Effects of Acid Rain in Norway and Sweden	Rebecca Tauscher, Megan Dean	E
		What You Should Know About The O3	Brooke Hagen, Elizabeth DeCesare, Travis Lunsford	E
		The Enemy to Ozone	Jackson Ciofu, Carmen Metzger, Sarah Schulte	E
		The Ozone Hole: Problem and Resolution	Katelyn Bagg, Paul Sturr, Mayessa Mansour	E
		Importance of Ozone	Ellie Millerschin, Megan Shelly, Cameron Fletcher, Stephen Manz	E
		Natural and Unnatural Causes of Ozone Depletion	Connor Brueck, Mitch Huber, Nick Stanek	E
		The Chemistry of the Ozone: Creation and Destruction	Jon Kurjan, Samantha Tauscher, Megan Bergeron	E

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/ West
Morning				
9:00-11:10am	9:10-10:00am			
	LB 274	Measuring Real-Time Brain Activity: The Physics Behind fMRI	Craig Pearson	E
	LB 415	Applications of Mathematical Physics		E
		Applications of Mathematical Physics		E
Midday				
11:30am-2:40pm	12:40-2:20			LB 492
		Connecting Darwin, Marx, and Freud	Rose Arapostathis, Kaitlin Wurtz, and Tyler Fenske	E
		Connecting Darwin, Marx, and Freud	Colette Ngana and Madeline Lipp	E
		Connecting Darwin, Marx, and Freud	Rachel Urbis, Abby Reichard, and Jim Makinen	E
		Connecting Darwin, Marx, and Freud	Dan Coulter, Ashley Steuer, and Margaret Shea	E
		Connecting Darwin, Marx, and Freud	Kim Van Ness, Chelsea Reynolds, and Joe Derkits	E
		Connecting Darwin, Marx, and Freud	Margie White and Rachel Rinaldi	E
11:30am-1:30pm				
	12:40-1:30			LB 172 Presentations
		The Effects of PBB on the Environment	Lauren Clever, Holly Drankhan, Susannah Haupt, Adonnia Raddatz, Joanna Noack	E
		Oil Spills and the Environment: A Chemical Conundrum	James Conwell, Jenna Carter, Mitchell Cavanaugh, John Vanschaik	E
		Fuel Cells	Emily Smith, Erin Gumper, Victoria Arsenault, Hunter Puma, Hassan Albeer	E
		Pharmaceuticals in Water	Kaitlyn Heslip, Rachael Losee, Ashley Kretschmer, Hannah Schrauben, Morgan Burnette	E
		Methane Emission	Paige Niles, Stephen Kazmer, Alex Thiel, David Bur, Chris Chess	E
		Solar Energy and Panels	Tracy Broomell, Rachel Welch, Kaitlyn Stout, Jordan Krieger	E
		Green House Gases	Alexandra Corrado, Madison VanAntwerp, Joshua Starkey, Kiren Gopalakrishnan	E
		Cadmium	Raymund Macksoud, Colby Wollenman, Joel McCormick, Rina Edelson	E

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/West
11:30am-1:30pm	12:40-1:30		<i>LB 172 Presentations</i>	
		Hydraulic Fracturing	Megan Hudak, Alyssa Sandell, Madeline Vandecappelle, Abigail Wolfson	E
		Nuclear Power	Sarah Diven, Jessica Goldsworthy, Khryстина Kulbida, Audrey Smellie	E
		CFCs in the Environment	Desmond Kearsley, Hunter Craig, Jacob Emmendorfer, Justin Jabara, Alexander Shore	W
		Pesticides- Atrazine	Jennifer Hollen, Tyler Dyke, Bobby Dipietro, Ramyann Murali	W
		Solar Power	Caitlin McNichols, Haley Farkas, Paul Dionise, Tori Vives	W
		Large Scale Farming Effects on the Environment	Ashley Koepke, Kim Vi, Jasmine Singh, Kendall McCarthy, Alecia Bronikowski	W
		Wind Power	Brooke Wohlers, Angela Amaniampong, Abby Myles, Taylor Tagsold, Rebecca Ashburn	W
		Neonicotinoid Insecticides	Timothy DeRosia, Susannah Lyddon, Alan Sulpizio, Raajan Naik, Bhavik Patel	W
		Nuclear Energy	Sean-Ryan Fazio, Jeremy Shinn, Chris Loo, Lindsay Mlynarek	W
		GAS	Nick Sturla, Andy Sonenberg, Ashwin Easow, Emily Toupin	W
		Acid Rain and the Environment	Halle Nowak, Kristen Pattullo, Joel Savalle, Patrick Kato, Aaron Stebbins	W
		Nuclear Chemistry	Levi Storks, Kristina Anderson, Sarah Zelenak	W
		Oil Spill Cleanup Methods	Billy Ratledge, Chris Salas, Allanah Hammond, G. Ashwin Ramanujam	W
		Photovoltaic Energy	Matthew White, Drew Murray, Alec Bruchnak, Jamilya Johnson	W
		Algal Bloom	Kenneth Plackowski, Michael Staples, Latavia Jackson, Thomas Batcha, Alex Yugas	W
		Strontium	Paola Algarin, Mackenzie Tocco, Charlotte Cally, Hinako Terauchi, Jacob Treadway	W
		Hydrogen Fuel: The Alternative Energy	Tracey Jabbour, Melanie Jamel, Lauren Nader, Aamir Bandagi	W
		Lead	Michael Dery, Ravjinder Singh, Bilal Hai, Wesley Powell, Daniel Jiang	W
		Heavy Metal Poisoning	Ravjinder Singh, Bilal Hai, Daniel Jiang, Wesley Powell, Micheal Dery	W
	LB 415	Applications of Mathematical Physics		E
		Applications of Mathematical Physics		E
	LB 290C	The Newt Gingrich Effect	Karen Davidge, Hillary Albert, Dylan Miller, Bo Parsons	W

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/ West
1:50-2:40pm	1:50-2:40pm		<i>LB 172 Presentations</i>	
		Hydrogen Fuel	Zachary Nusbaum, Neil Deatrick, Joey Schoenherr, Cameron Sawyer	E
		PCB's	Kelsey Kanaan, Alli Fedewa, Alexandra Marsh, Elizabeth Lelli	E
		Ethanol	Truman Silvasi, Steve Skrypec, Chris Rothhaar, Daniel Smith, Nathan Stahl	E
		Biodiesel	Christina Rawetzki, Anurag Gudeti, Jin Hwan Kim, Joseph Aquino	E
		Solar Panels	Elena Michel, Madeline Ross, Chris Bejcek, Amber Moroson	E
		Heavy Metals in the environment	Yari Gatorno-Cisneros, Colleen Doyle, Breanna Borg, Kindele Lenoir, Aubrey Proctor	E
		Solar Power	Katrina Camaiore, Michelle Abraham, Taylor Moody, Morgan Herlevi	E
		Nuclear Energy	Alyssa McBride, Blake Carlson, Angela Porta, Matthew Shumate, Luke Safian	E
		Hydraulic fracturing	Ryan Owen, Jessica Mizzi, Colin Pellegrom, Kodiak Kollmeyer, Anna Miller	E
		To Be Determined	Katharina Freiburger, Allison Gurney-McMaster, Bevneet Grewal, Anastasia Hakenjos	E
		Phosphorus In the Environment	Alexander Webber, Spencer Potter, Ally Kunding, Adam Feuerstein, Nicholas Zakovich	E
		Geothermal Energy	Erin Hunt, Autumn Apsey, Amanda Rice, Nina Banchemo, Erica Spencer	E
		Hydrogen as an alternative fuel source	Isabella Wohl, Zachary Slagel, Eun Taek Lee, Richard Lastomirsky, Michael Ayres, Brandon Schroeder	W
		Acid Rain	Chris Kimble, Shannen Serylo, Chandler Stimach, Paige Mueller, Nate Benton	W
		Algae Alternative Energy	Brooke Burgess, Misha Masumy, Sierra McWilliams, Collin Stapleton-Reinhold	W
		Chlorofluorocarbons	Sultan Qiblawi, Michelle Vervaeke, Matthew Ogren, Diana Jasser, Keith Mcauley	W
		Oil Spills	Olivia Giacona, Joel Stewart, Matt Fahr, Brandon Stone, Ryan Babik	W
		Nuclear Waste	Meghan Cleary, Jacqueline Maeroff, Allison Lamie, Dana Franceschini, Allison Jennens	W
		Batteries in Landfills	Emily Pasek, Elizabeth Long, Caitlin Bouchey, Tyler Hantman	W

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/West
1:50-2:40pm	1:50-2:40pm		<i>LB 172 Presentations</i>	
		Alternative Energy of Biodiesel ozone depletion	Jordan Gebhardt, Alyssa Kirsch, Charlie Messerly, Michelle Wright, Erik Velkme	W
		What geothermal effect is and its renewable potential	mrinal asopa, kevin thomas, shannon williams, kelly stec	W
		Effect of Pesticides in Fresh Water Bodies	Matthew Rayes, Kelly Stec, Mike Connolly, Miles Kamaloski, Adam Gajewski	W
		Nitrogen Pollution in Freshwater	Taylor Smith, Lauren Cooke, Adam Kunding, Eden Erxleben, Fehinti Akande	W
		Biodegradable Plastics	Joe Riedy, Stephen Vorenberg, Jasmine Samani, Sam Westra, Claire Wieszczecinski	W
		Phosphorus In the Environment	Ali Fadel, Joo Yoon, Caleb Arthur, Lucas Fix, Steven Corey	W
		Nature's Little Refineries	Alexander Webber, Spencer Potter, Ally Kunding, Adam Feuerstein, Nicholas Zakovich	W
		ozone depletion	Nicole Ziegler, Mitch Steur, Anna Rutkowski, Matthew Silverthorn, Matthew Meranda	W
			mrinal asopa, kevin thomas	W
		LB 415 Applications of Mathematical Physics		E
		Applications of Mathematical Physics		E

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/ West
3:00-5:00	3:00-3:50pm		<i>LB 172 Presentations</i>	
		The effects of Fluometuron	Kayla Hoppe, Margeaux LaCavera, Alexis Joseph, Christina Maskaluk, Chelsey Fix	E
		The Effects of Landfills on the Environment	Laura Konsitzke, Maia Rowles, Ashley Jones	E
		Nuclear Chemistry	Roya Oliai, Adam Thelen, Jenna Mellerowicz, Molly Robbins	E
		Biomass as Alternative Energy	Morgan Rogalke, Christina Buglione, Molly Magen, Sam Klim	E
		Pesticides	Chantelle Washington, Vineetha Rangarajan, Elena Vlachos, Madison Ahmad, Taylor Graham	E
		Solar Energy	Maryann Laboe, Lydia Zieleniewski, Alissa Henry, Emily Ward	E
		Corn Oil	Zach Cantor, Jordan Correll, Riley Miller, Ojie Alofoje, Lauren Reinhold	E
		CFCs in the Environment	Bethany Coon, Mackenzie Fleischer, Marisa Martini, Jillian Szymanowski, Jasmine Costello	E
		PCB's	Alex Chmara, Autumn Mulder, Alicia Wilson, Vikram Venkatesan	E
		The BP Oil Spill and the Environment	Kathryn Zadorozny, Ashley Hatfield, Morgan Cannon, Katie Raber, Van Hoang	E
		Anaerobic Digestion	Nicole Rando, Aaron Smith, Zack Johnson, Alexis Snyder, Chris Samonides	W
		Solar Power	Ryan Oleynik, Emilie Bourque, Monica Monon, Emily Pawlowski	W
		Pros and Cons of MTBE in Gasoline	Anthony Findley, Robert Rariden, Daniel Katz, Collin Richards, Alexander Lyons, Bogdan Pozderca	W
		Petroleum: Need or Addiction?	Joseph Boensch, Timm Cambridge, Adam Matynowski, Alex Pink, Cole Scott	W
		Battery Environmental Impact	Josh Kim, Alex Armada, Nick Stratta, Michelle Lam, Manasee Bharathan	W
		Eurasian Millfoil	Austin Brice, Andrew Van Alst, Jeff Territo, Henry Mountain	W
		Plastics and the Environment	Komal Mendiratta, Jasbir Singh, Alec Aiello, Brandon Sinner, Jake Pristas	W
		Hydroelectric Power	Kelly Finn, Kristine Herman, Christina Bacon, Sonni Mishra	W
		Corny Cars? The fuel of the future or the kernel that will never pop?	Jenna Bursley, Savannah Katulski, Will Rochte, Lauren Smith	W
		The Environmental Cost of Coal	Laura Drotar, Pat Mulier, Arjun Kalra, Jasmine McCoy, Nicole LeClair	W
		Nuclear Energy	Hassan Fadel, Hassan Bazzi, Sam Meunch, Jake Schaub	W
		Nuclear Waste	Meghan Cleary, Jacqueline Maeroff, Allison Lamie, Dana Franceschini, Allison Jennens	W

Monday Poster Presentations in East/West Lounges

Displayed Timeslot	Presenter at Poster	Title	Presenter(s) (Class)	East/West
		Nuclear Waste	Meghan Cleary, Jacqueline Maeroff, Allison Lamie, Dana Franceschini, Allison Jennens	W
3:00-5:00	3:00-3:50pm			
	LB 415	Applications of Mathematical Physics		E
		Applications of Mathematical Physics		E
	LB 172	Lightning	Raven Batshon, Angela Harris, Jake Sims	W
	4:10-5:00pm			
	LB 415	Applications of Mathematical Physics		E
		Applications of Mathematical Physics		E
Evening				
7-8pm				
	Research	Gender Performance Differences in Life Science Courses	Leah Creech, Ryan Sweeder	E
	Research	Generating Resources for Evaluating the Evolution of Genome Structure Following Whole Genome Duplication in Brassicaceae	David Hufnagel	E
	LB 492			
	Research	Vaccines: Misconceptions Revealed	Rachel Dee, Beverly Bell, Brown Molly, Cassandra Martin	E
	LB 172	Chemical remediation of groundwater contamination	Emily Pasek	E
	LB 290C	Changing Factors of Skin Cancer	Tara Gallagher, Alex Chavez-Yenter, Tim Oja	E
	AST 208	Supernova	Dana Koeppe	E

Tuesday Poster Presentations

General Timeslot	Presenter with Poster	Title	Presenter(s)	Location
Morning				General Posters East Only
9:10-11:40am	9:10-10:00am			
	LB 172	Bio-Comptable Materials / Titanium	Kierstin Sanch, John Greene, Jessica Kalin	E
	LB 172	Food Chemistry	Kelly Quaine, Megan Shelly, Annie White	E
	LB 172	The Accessibility of Domestic Solar Energy Technology	Sarah Gallagher, Adeline Ford, Kat Thomashow	E
9:10-11:40am	10:20-11:40			LB 144 Posters East Only
		Effects of Water quality in the growth of Mycellium	Shafiul Alam, Michella McCormick, Xavier Richard	E
		The Effects of Cigarette Butts on Plant Growth	Meredith Reid, Tiffany Covington, Makia Hill, Alexis Franciscotty	E
		Effects of Chemical, Visual, and Placebo Predatory Cues on Cricket (Acheta domesticus) Behavior	Bradley Davis, Angelina Ramos, Maxwell Suris, Ashley Garzaniti	E
		Weather Pattern Impact on MSU Squirrel Behavior	Sean Carroll, Anthony Kazyaka, Kristina Guitar, Steph Pickard	E
		How Much Fluoride Is Too Much?	Erin Gumper, Kayla Hoppe, Maura Moin, Jennifer Zarafonitis	E
		The Effect of Road Runoff on Algae Growth	Paul Spears, Hannah Meyer, Margeaux LaCavera, Caitlyn Behnke	E
		The Effect of Caffeine on the Longevity of Crickets	Taryn Racine, Lauren Foster, Robert Dullam, Will Foss	E
		The Effect of Bifenthrin on Crayfish's Mobility and Foraging Behavior	Katie Goward, Thomas Sandiha, Mike Ayres, Lauren Zitny	E
		Water Treatment Effects On Plant Growth	Alexis Payne, Marvin Johnson, Edward Pappert, Nicole Meiner	E
		The Effect of Human Activity on the Biodiversity of Macroinvertebrates in the Red Cedar River	Kiana Gilmore, Joanne Lewis, Brian Snyder, Raymann Murali	E
		compound effect of water acidity and increased nutrients on algal growth	Eric French, Julia Schwarz, Caitlyn Cricelli	E
		Impacts of Industry on Turnip Growth	Elizabeth McLaren, Chris Kimble, Cassandra Zuehlke, Kevin Thompson	E
		Worm Compost Preference	Jenna Carter, Sarah Strong, Thomas Batcha, Jacob Schaub	E
		Effect of Inorganic and Organic Fertilizers on the Eating Habits of Ants	Nathan Clark	E

Tuesday Poster Presentations

General Timeslot	Presenter with Poster	Title	Presenter(s)	Location East/West
9:10-11:40am	10:20-11:40		<i>LB 144 Posters</i>	East Only
		The Effects of Salinity and Different Salts on Turnip Plants' Growth and Health.	Jennifer Hollen, Matthew Rayes, Kelly Stec, Jacob Ward	E
		The Effects of Oil on Terrestrial Plant Growth	Christopher Chess, Eric Everts, Ellen Martines, Isabella Schember	E
		The Progressive Effects that acid rain has on Ankistrodesmus algae growth	Brianna McCullough, Kendall Jordan, Sammie Craft	E
		The Effects of Caffeine and Taurine on Soybean Germination	Kalli Mier, Amy Savoie, Zainab Aldhamen, Kenneth Green	E
		The Effects of Wind on Cellar Spider Creation	Alex Meisel, Lauren Cooke, Alexis Young, Deven McCullers	E
		Growing Up Caffeinated: The Affects of Stimulants on Plant Growth	Jessica Kalin, Sarah Newman, Matt Shumate, Jake Bennett	E
		Effects of Salinity and Temperature on Brine Shrimp	Jasmine Williams, Devin Oats, Jake Sims, Eun Taek	E
		Chemical Levels and Their Affects on Algae Mortality	Sarah Blanzky, LaDrea Austin, Nneka Osiah, Jordyn Hagen	E
		Optimal Foraging Theory: what birdseed do birds prefer?	Denye Toma, Miriam Elson , Jill Piccard, Peter Lebeis	E
		The Effect of Contrasting Light Levels on Crayfish Feeding Habits	Darren Donnelly, Erik Blackowicz, Collin Richards, Max Brown	E
		Aquatic Macro Invertebrates as an Indicator of Water Quality in the Red Cedar River	Erin Bobola, Deja Potts, Micheal McGregor, Joya Dixon	E
10:20-11:10	Research	Microsatellite Genotyping of Rhagoletis Cingulata Popul	William Armstrong	E
	LB 172	Nuclear Reactions: From Bananas to the Bomb	Gregorio Ponti, Stephen Manz, Joseph Nutter	E
10:40-11:40	Research	Lake Nutrient Sampling Protocol and Procedures	Kimberly Schoch	E

Tuesday Poster Presentations

General Timeslot	Presenter with Poster	Title	Presenter(s)	Location East/West
3:00-4:50	3:00-4:50			LB 133 Posters East Only
		Guinea Pigs vs. Mice in Medical Research	Alexander Lyons	E
		The Eugenics of Nazi Germany	Ryan Owen	E
		Teaching Intelligent Design	Kodiak Kollmeyer	E
		Ethics of Stem Cell Research	Allison Gurney-McMaster	E
		Women in Science	Rina Edelson	E
		Axolotl vs. Rat	Jessica Mizzi	E
		The Challenges of Tissue Regeneration	Bevneet Grewal	E
		Endangered Leatherback Turtles	Sunny Mishra	E
		Use of Frogs	Laura Cheaney	E
		Ethics and the Human Genome Project	Kyle Hutchinson	E
		Dolphin Communication	Chris Loo	E
		To Be Decided	Alexis Joseph	E
		The Detroit Zoo	Dylan Scheid	E
		Asian Elephant Conservation	Diana Jasser	E
		America's Hidden Past:	Shane Jeppesen	E
		Stem Cell Research: Ethical questions and the effect o	Lindsay Mlynarek	E
		Wolf research and perception	Jennifer Hollen	E
		Ethics of Genetic Counseling	Maryann Laboe	E
		Marie Curie	Michael Staples	E
		History of the Bohr Model	Gregorio Ponti	E
		The Moral Economies of Science	Colin Pellegrom	E
3:00-4:50	3:00-3:50			General Posters East Only
		Forests, Frogs, and Roads: Impacts of anthropogenic forces on anuran community assemblages of costal villages in Nicaragua	Timothy Muhich	E
	Research LB 172L	RNAwesome	Bo Parsons, Dylan Miller	E
		Analysis of Neurons in the Inferior Mesenteric Ganglion of Hypertensive and Normotensive Rats	Sara Dykowski	E
	Research LB 290C	BRAID Presentation	Dana Koeppel	E

Tuesday Poster Presentations

General Timeslot	Presenter with Poster	Title	Presenter(s)	Location East/ West
Evening 6:00-7:00pm				General Posters East Only
LB 172		Chemistry of Fireworks	James Young, Jon Kurjan, James Stabile	E
Research		Central Drive to Locomotor Muscle	David Hurley	E
		Anthropogenic influence on lion populations in the		
Research		Masai Mara National Reserve of Kenya	Jenna Parker	E
LB 290C		Investigating the Potential of Biofuels	Andrew Morton, Amy Pochodylo	E

Wednesday Oral Presentations

Room	Class order	Title	Presenter(s)
C7	3-5:50p		LB 172L 009, 019
	1	Coconut Water: Nature's Natural Vitamin Supplement	Breanna Borg, Erik Velkme, Yari G
	2	Green Chemistry Lab	Hudak, Fazio, Gebhardt
	3	Liquid vs. Pill-Form Vitamins	Olivia Giacona, Paige Niles, Paola Algarin
	4	LED Lab	Sonenberg, Bur, Shinn
	5	Alternative Ways to Create Soap	Lauren Cooke, Joo Yoon, Bhavik Patel, Erin Hunt
	6	LED Lab	Loo, Herlevi, van Schaik
	7	Soil Efficiency and Plant Nutrients	Spencer Potter, Matt Meranda, Kendal McCarthy
	8	Ferrofluid lab	Clever, Heslip, Qiblawi
	9	Men's vs. Women's Vitamins	Isabella Wohl, Keith McCauley, Steve Skrypec
	10	LED Lab	Welch, Kretschmer, Zakovich
C7	7-9:50p		LB 172L 010
	1	Biodiesel: The Fuel for Life	Anthony Findley, Daniel Katz, Kaitlyn Stout, Mackenzie Tocco
	2	And You Drink That?	Jeff Territo, Robby Rariden, Austin Brice, Will Rochte
	3	GaterAIDE?	Marisa Martini, Katrina Camaioire, Chris Rothhaar
	4	LED, Lighting Up The World	Alicia Wilson, Joel Stewart, Sierra McWilliams
	5	Got Spikes?	Tracy Broomell, Maryann Laboe, Lucas Fix
	6	Making Dirty Things Clean	Daniel Smith, Alec Aiello, Brandon Sinner

Thursday Oral Presentations

Room	Class order	Title	Presenter(s)
C7	8:00-10:50a		LB 172L 011, 021
	1	Secret Writing	Jordan Krieger, Taylor Moody, Hunter Puma
	2	Further Analysis of a Multivitamin	Moly Magen, Morgan Ragalke, Taylor Smith, Anthony Hunyh
	3	Water quality in the Red cedar River	Samuel Muench, Nicole LeClair, Ojie Alofoje, Alex Thiel
	4	LEDs and Their Band Gap	Alyssa Kirsch, Ali Fadel, Jessica Goldworthy, Bobbi Dipetro
	5	Temperature dependence of LED emission	Christopher Salas, Timothy Derosia, Susannah Lyddon, Michelle Wright
	6	The Usefulness of Ferrofluids	Caleb Arthur, Chandler Stimach, Charlotte Cally, Halle Nowak
	7	Vitamins Everywhere	Josh Starkey, Henry Mountain, Raajan Naik, Alec Bruchnak
C7	11:30-2:20p		LB 172L 012, 022
	1	The Red Cedar Watershed: The Truth Testing for anions and cations in all natural	Van Hoang, Tracey Jabbour, Jessica Mizzi, Luke Safian
	2	health supplements and/or sports products	Zachary P. Slagel, Neil N. Deatrick, Michael S. Ayres
	3	Nylon: Beyond the Stretch of the Imagination	Caitlin Bouchey, Zachary Johnson, Angela Porta
	4	The partition coefficient of KHP between octanol and water	Kristina L. Anderson, Nina M. Banchero-Smith, Adam E. Kundinger
	5	LEDs: Wavelengths and the Band Gap	Richard Lastomirsky, Zachary Nusbaum, Kristen Pattullo
	6	Determination of ions in "enhanced" beverages (vitamin waters)	Misha A. Masumy, Kelly M. Fenn, Emily A.S. Pasek
	7	Qualitative Analysis Applications Chemical kinetics of various beverages: determination of reaction rates of several soft	Christopher Bejcek, Jasmine Costello, Holly Drankhan, Kathryn Zadorozyn
	8	drinks with bleach	Alexander T. Pink, Bogdan I. Pozderca, Tori F. Vives
	9	Testing for cations in medications such as Tylenol and Ibuprofen	Brandon A. Schroeder, Joseph Schoenherr, Jasbir Singh

Thursday Oral Presentations

Room	Class order	Title	Presenter(s)
C7	3-5:50p		LB 172L 013
	1	What health drinks do for you	Manasee Bharathan, Matt Ogren, Autumn Mulder
	2	Gatorade: What are you really drinking?	Melanie Jamel, Alex Corrado, Alissa Henry
	3	The difference between children and Adult Vitamins	Morgan Burnette, Christina M Maskaluk, Matthew Silverthorn, Vikram Venkatesan
	4	The beauty of ferrofluids	Brooke Wohlers, Margeaux Iacavera, Vineetha Rangarajan, Michelle Lam
	5	The wonders of ferrofluids	Caitlin McNichols, Elena Michel, Bethany Coon
	6	LED revisited	Morgan Cannon, Matt White, Shannen Serylo
C7	7-9:50p		LB 172L 014, 024
	1	vitamins - prenatal/baby/adults	Tyler Dike, Adam Gajewski, David Hurley,
	2	The temperature dependence of lattice constants in LEDs	Colin Pellegrom, Nicholas Stratta, Fehinti, Chris
	3	LEDs - submit to other conditions, explore semi-conductors in real life	Latavia Jackson, Abigail Myles, Levi Storks
	4	Does Holmes Hall Really Have the Worst Water on Campus	Michelle Vervaeke, Audrey Smellie, Sunny Mishra, Jillian Szmanowski
	5	secrete writing lab	Alexander Lyons, Jasmine Singh, Sarah Zelenak
	6	What makes a ferrofluid?	Samantha Klim, Alexandra Yuhas, JordanCorrell, Riley Miller
	7	food chemistry, making ice cream with liquid nitrogen; application to real life (e.g. flash freezing of mass produced food)	Jenna Bursley, Sarah Diven, Rajvinder Singh
	8	Exploring Electrochemistry: Analyzing aqueous solution circuits	Alex Armada, Lindsay Mlynarek, Erin Gumper, Collin Stapleton-Reinhold
	9	looking at the secrete message lab	Michelle Abraham, Khrystina Kulbida, Joel Savalle, Lee Wang