

**Posters: Biology, Integrated Environmental Science, Special Education, Health, Physical Education, Kinesiology, and English 1:45-2:45PM, Blackwell Ballroom**

**Poster Numbers 1- 15: Biology 326 (Faculty Mentor: Dr. Dale Beach) and Molecular and Cellular Biology (Faculty Mentor: Dr. Michael Wolyniak (Hampden-Sydney College)**

- Caitlin Harris, Marcia Lanasa, “Better Gene, Better Beer”
- Morgan Tasseff, Matthew Bowman, Maurice Manchester, “Comparison of gene YAP1 within different brewing yeast strains”
- Grace Freeman, Emily McCartney, Cynthia Castillo, “Best in SHO1: Improved Brewing”
- Brandi Joyner, Haley Bresnahan, Sarah Dooley, “No Stale Ale -- Analyzing the Sequence of SPT10 in Different Brewing Strains”
- Natalie Wood, Ryan Servis, “What the HEK2 is Flocculation?”
- David Fluharty and Matthew Moody, “Decreasing flocculation of Chico yeast through Flo1 gene protein truncation”
- Cole Burton and Michael Moody, “Decreasing fusel alcohol production at higher fermentation temperatures by protein truncation of the BAT2 gene for the French Saison yeast strain”
- Shaun Everson and Timothy Bryant, “Modification of the FLO1/YOR140W gene for the purpose of increases flocculation in *Saccharomyces cerevisiae*”
- Blake Martin and David Bushhouse, “Increasing flocculation of *S. cerevisiae* by the insertion of glucose-dependent ADH2 promoter for the FLO5 gene”
- Harrison Whaley and Damian Martinez, “Decrease of FLO5's unit-a repeat region to decrease the rate of flocculation in *S. cerevisiae*”
- Eric Bowen and Hunter Weiland, “Increasing the rate of flocculation of *S. cerevisiae* by insertion of a FLO1 gene and truncation of EMP47”
- Lucio Maestrello and Cory Allgood, “Overexpression of the FLO5 and FLO8 genes in the German Ale *S. cerevisiae* strain to increase flocculation”
- Ryan Tomlin and Jared Dunlap, “The effects of FLO5 gene deletion on flocculation in Chico strain yeast”
- Hudson Elmore and Anton Kheirani, “The effects of PEP gene deletion on fermentation temperature change and ester production in *S. cerevisiae* strains”

**Poster Numbers 18- 23: Biology 404 (Faculty Mentor: Dr. Amorette Barber)**

- Taylor Clements, Erica Harris, Emery Chittenden, Tessa Dewalt, “The role of Capsaicin and [6]-Gingerol in preventing cancer through altering immunity”
- Morgan Tasseff, Maurice Manchester, Zachary Long, “Effects of methylparaben and propylparaben on estrogen receptors”
- Lyndi Earnshaw, Caitlin Harris, Rayven Brown, Jessica Savas, “The effect of ethyl and butyl parabens to mimic estrogen to alter differentiation of myeloid derived suppressor cells”
- Elle Richardson, Taylor Alvey, Jada Russell, Arleigh Wood, “Do Phytoestrogens in the Hops Plant Have the Ability to Signal Myeloid-Derived Suppressor Cells and Drive Cancer Progression?”
- Amanda Moses, Uzma Gunter, Tiffany Yun, Sandra Ghali, “Methyl and Butyl-parabens initiate myeloid derived suppressor cell activity”
- Kathryn Kosiorek, Cecilie Elliott, Megan Bland, “Ability of Flavonoids to Mimic the Estrogen Receptor to Drive Myeloid Derived Suppressor Cell Differentiation”

**Poster Numbers 25- 45: Health 325 (Faculty Mentor: Dr. Amanda Blaisdell)**

- Andrew Clinton, “Kidney Cancer and Type 2 Diabetes prevention”
- Andrew Clinton, “Biking to Beat Obesity”
- Cody Weinberger, “Hypertension and Type 2 Diabetes”
- Sophia DeFeo, “Ulcerative Colitis and Colorectal Cancer”
- Devon Johnson, “The Teal Ribbon Project”
- Tyler Zier, “Cardiovascular Disease and Arthritis”
- Joelle Harthun, “Prevention Plans for Stomach Cancer and Chronic Atrophic Gastritis”
- Carie Sutliff, “Decrease Blood Pressure and Increase Bone Density”
- Nick Hessler “Cirrhosis and Liver Cancer”
- Gabrielle Huerta, “You've got to Be Kidney-ing Me, I Have Heart Disease?”
- Ashley Ellixson, “Coronary Heart Disease vs. Asthma”
- Kyle Weston, “Chronic Kidney Disease and Diabetic Retinopathy”
- Haleigh Nichols, “Cancer's Side Effect That You Can't See”
- Ieuan Phillips, “Heart Failure and Renal Insufficiency”
- Sara Jane Anderson, “The Suffocating Similarities between COPD and Esophageal Cancer”

- Sarah Banks, “Combating Comorbidities”
- Benjamin Brody, “Comorbidity: Diabetes and Depression”
- Victoria Higginbottom, “Pancreatic Cancer and Type 1 Diabetes”
- Abigail Clark, “Female Reproductive Diseases”

**Poster Numbers 46- 50: Health and Physical Education 466 (Faculty Mentor: Dr. Amanda Blaisdell)**

- Ben Brody, “Prince Edward Adults Choosing Health (P.E.A.C.H.)”
- Devon Johnson, “The Best Foot Forward Program”
- Taylor Nelson, “A Breath of Hope”
- Kyle Weston, “The Rise in Type 2 Diabetes in Black Women”
- Nicholas Hessler, “Hypertension and Nutrition”

**Poster Numbers 51- 52: Kinesiology 387 (Faculty Mentor: Dr. Troy Purdom)**

- Lauren Roten, Jeffrey Farriss, Jonathan Anderson, “The Aerobic Capacity and Demographic Profile of Kinesiology Students”
- Lauren Roten, Jordan Howard, Jacob Giles, “Multi-Frequency BIA to Evaluate Whole Body and Joint Inflammation In Overhead Single Segment Division I Collegiate Athletes”

**Poster Numbers 53: Kinesiology 470 (Faculty Mentor: Dr. Laura Jimenez)**

- Alexandra Rast, Samantha Thedieck, Kaitlynn Hening, Emily Chisarik, Hannah Sutphin, “Effects of Aluni Nu Pre-Workout (TM) on High Intensity Interval Training Exercise”

**Poster Numbers 54 - 56: Special Education 389 (Faculty Mentor: Dr. Aftab Khan)**

- Dana Zipfel, Leslie Mock, Maria Giarrusso, “Musical Interventions for Emotional and Behavioral Disorders”
- Tanna Turner, Harley Scott, “The Benefits of Wilson Training Program on Students who Struggle with Reading Fluency”
- Lindsey Moody, Shelbie Wells, “Spelling Mastery & Dyslexia”

**Poster Numbers 57 - 60: Special Education 489 (Faculty Mentors: Dr. Karen Feathers and Dr. Aftab Khan)**

- Dallas Phelps, “Developing Visual Supports for Individuals with Intellectual Disabilities who are Non-Verbal to Enhance Communication in the Home, School, & Community”
- Lauren Peters, Payton Vernier, “Improving Behavior from the Start: Integrating Social Training Programs into an Inclusive Preschool Classroom”
- Megan Smith, Kasie Fowler, “Word Recognition Software Programs and the Effects it has on Exceptional Children”

**Poster Numbers 61 - 66: Environmental Science 201 (Faculty Mentors: Dr. Ken Fortino and Dr. Dina Leech)**

- Graham Brown, Dylan Wegner, Mitch Andrew, “Analyzing the Limiting Nutrient using a Bioassay in Farmville Area Ponds”
- Kelsey Lam, Truman Blaha, “Assessment of nitrogen and phosphorus concentrations in the Appomattox River due to agricultural or urban runoff”
- Curran Atkinson, Bailey Teague, “An Analysis of Urbanizations effect on Mosquito Habitats”
- Jacob Jennings, Andrew Ayer, Graylin Dalton, “Heat Islands and Relationship with Land Use”
- Charlotte Pfamatter, Kirsten Bauer, Samuel Morgan, Griffin Mayo, “Comparison of the Toxicity of Standard vs. Eco-Friendly of Detergents”
- Nathaniel Mylott, Cole Milliron, Olivia Parisi, Madeline Dabies, “Nutrient Runoff Investigation of Farmville”

**Poster Numbers 67 - 85: English 400 (Faculty Mentor: Dr. Scott McDarmont)**

- Jessica Paquette, “Greenwashing”
- Camryn Rubin, “Inclusion Classrooms”
- Sarah Boehling, “Dyslexia in the Classroom (Teaching students with Dyslexia)”
- Michaela O’Toole, “Inclusion Classrooms”
- Reece Theakston, “Genome Editing”
- Christaan Oliphant, “Marketing/Perception of Cannabinoids in Public Eye”
- Sam James, “Community Corrections”
- Meg Coughlin, “Theatre in the Classroom”
- Chris Belote, “Benefits of Gaming (Health, social, etc.)”

- Jessica Sanfilippo, "Starting a Business"
- Matthew Berry, "Not Abandoning History in the Classroom"
- Bailey Johnson, "ADHD in the Classroom (Teaching students with Attention Deficit Hyperactivity Disorder)"
- Cameron Basham, "The "Forgotten" Middle"
- Autumn Schiavone, "Child Rearing"
- Vanessa Barahona-Hickerson, "Electrical Stimulation for Swallowing Disorders"
- Eric Petrides, "Anti-vaxxers"
- Madeline Davies, "Juvenile Rural Gang Involvement"
- Madison Pinchbeck, "Planned Parenthood"