

SE&T Colloquium Series-Fall 2016

Presenters	Dr. Tami Sivy's Biochemistry II class
Details	<p>Mackenzie Lukas and Joshua Rabideau Title: The Effects of Contact Solutions on <i>E. coli</i> Cultures on Contact Lenses Description: All contact solutions claim to be the best at sanitizing contacts. Our experiments worked to test which solutions out-competed the others.</p> <p>Reanna Cantrall, Meagan McNinch-Stapish, and Adriane Miller Title: Effects of organic compounds on <i>E. coli</i> fatty acid composition Description: Using FAME assay techniques, we analyzed the effects on <i>E. coli</i> fatty acids when grown in solutions of five different organic compounds and compared to a control colony.</p> <p>Courtney Franzel and Nichole Hansen Title: <i>Phragmites australis</i> Native and Invasive DNA Sequencing Description: DNA extractions of potential invasive and native <i>Phragmites australis</i>, ran with RbcL primers to determine the DNA sequencing data. Thanks to Dr. David Stanton for project guidance</p> <p>Mia Creger and Jackie Luthardt Title: Colorimetric analysis of ampicillin resistance in animal-derived foods Using nitrocefin to test for the presence of β-lactamase in ampicillin-resistant <i>E. coli</i> as well as animal-origin food such as beef, pork, and milk.</p> <p>Tyler Auernhammer and Timothy Gunther Title: Determination of the Effects of Age and Heat on Hydroxymethylfurfural Concentration in Local Honey Description: Hydroxymethylfurfural (HMF) is a contaminant and potential carcinogen that is found in several commonly encountered substances, such as cigarette smoke and fruit juice. In order to determine the exact concentration of HMF in locally-sourced honey, the Winkler photometric method was utilized.</p>
Date	Tuesday, December 6
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.