

**2017 Sigma Xi Symposium Schedule
Gustavus Adolphus College
May 5, 2017**

Session 1: Oral Presentations, Nobel Hall 201	
2:30 pm	<p>Distinguishing Tills in Minnesota Using Trace and Rare Earth Elements Russell Krueger Advisor: Julie Bartley</p>
2:45 pm	<p>Looking Into the Past With Lacustrine Sediment Sequences in Glacial Till Skuyler M Ward Advisor: Julie Bartley</p>
3:00 pm	<p>Emerging Adulthood, Political Attitudes, and Personality Characteristics as Predictors of Voting Behavior in the 2016 Presidential Election Jordan Schwakopf Advisor: Mark Kruger</p>
3:15 pm	<p>Relationships Among Morphology, Texture, and Chemistry in Stromatolites of the Green River Formation (Eocene, Wyoming, USA) Lindsey Reiners Advisor: Julie Bartley</p>
3:30 pm	<p>Through the Lens of a Rover: Identifying Extraterrestrial Biosignatures Ruby Schaufler Advisor: Julie Bartley</p>
3:45 pm	<p>Survey Response Language, Hispanic/Latino Country Origin, and Other Variables Associated With Pre-Exposure Prophylaxis (PrEP) Awareness Among Men Who Have Sex With Men in the U.S. Kristin Podratz, Gordon Mansergh, Matthew Mimiaga, Jeremy Holman (Health Resources in Action), Jeffrey H. Herbst (CDC Division of HIV/AIDS Prevention) Advisor: Lynnea Myers</p>
4:00 pm	<p>New Male Contraception: College Students': Attitudes and Perceived Behaviors Related to Non-Hormonal Injectable Gel Kirstin A. Buck, Jessica L. Stadick, Marian L. Frazier Advisor: Jessica Stadick</p>
4:15 pm	<p>Heavy Metal Concentration Analysis for Gastropods Off the Red Sea, Egypt Mike Erving Advisor: Julie Bartley</p>
4:30 pm	<p>Alkylation Reaction of Phthaloylphosphide William Bragg Advisor: Brian O'Brien</p>

Session 2: Oral Presentations, Nobel Hall 222

2:30 pm	Recognition of CTF13 mRNA by a Specialized mRNA Degradation Pathway in Baker's Yeast Madeline Jentink Advisor: Jeff Dahlseid
2:45 pm	River Terrace Mapping of Rush River Kyle Pinke Advisor: Laura Triplett
3:00 pm	Explosive Brecciation; Connecting Chemistry to a Source of Ignition Tanner E. Eischen Advisor: James Welsh
3:15 pm	Monitoring Nitrate and Total Suspended Solids in Two Tributaries of the Seven Mile Creek Watershed Connor Smith Advisor: Laura Triplett
3:30 pm	Differences Between Tributaries of the Minnesota River Megan Luick Advisor: Laura Triplett
3:45 pm	Degradation of mRNAs for Centromere and Telomere-Related Genes in <i>Saccharomyces cerevisiae</i> Sara Graves Advisor: Jeff Dahlseid
4:00 pm	Chemotherapeutic Inhibitor Sensitivity in <i>Candida Albicans</i> Neocentromere Strains Erica A. Power Advisor: Laura Burrack
4:15 pm	Mitigation of Ravine Hillslope Erosion in Southern Minnesota Using Hydraulic Conductivity and Infiltration Basins Patrick Day Advisor: Laura Triplett