



iUTAH Undergraduate Research Fellows (iFellows) Research Symposium

July 27, 2016 – University of Utah
University Guest House and Conference Center
110 South Fort Douglas Blvd. Salt Lake City, UT 84113
Douglas Ballroom- West Side

Agenda

- 9:00am – Sign-in, Informal networking, light breakfast
 - iFellows will load presentations on laptop
- 9:20 - 9:30am – Welcome (*Mark Brunson, iUTAH Education Outreach and Diversity Director*)
- 9:30 - 11:00am – iFellows Presentations, Research Focus Area 1: Examining the Water Cycle
 - **Fire Severity Increases Snow Accumulation in Mixed Conifer Forests**
Katelyn Boyer, Utah State University
 - **Quantification of MeHg Fluctuations in the Provo River over a 24-hour Cycle**
Greta Hamilton, Westminster College
 - **Identifying and Comparing Fecal Contamination Sources in Three Utah Watersheds**
Rebecca Lee, Brigham Young University
 - **Evapotranspiration Estimates Using Soil Water Content Data**
Shanae Tate, Brigham Young University
 - **The Effect of Plot Size on Nitrogen Content and Water Sourcing of Urban Trees in Salt Lake City, UT**
Lily Wetterlin, University of Utah
 - **Microbes vs Nutrients: Understanding Nutrient Pollution in Streams**
Sandra Udy (Young), Utah State University
- 11:00 - 11:10am – Break
- 11:10am - 12:10pm – iFellows Presentations, Research Focus Area 2: People, Places and Pipes
 - **Measuring Flow Rates in Small Urban Stormwater Systems**
Mitchell Steele, Utah State University
 - **Determining the Quantity and Quality of Rainwater Drainage from Various Rooftops**
Joydino Beyale, Utah State University Eastern-Blanding
 - **Bioretention Effectiveness in a Semi-arid Climate**
Darcie Christensen, Utah State University
 - **Utilizing Hydroponic Systems to Optimize Food Production in Salt Lake City, Utah**
Georgie Corkery, University of Utah

- 12:15pm - 12:45pm – Lunch
 - 2016 iFellows program slideshow
- 12:45pm – 2:00pm – iFellows Presentations, Research Focus Area 2: People, Places and Pipes, cont.
 - **Cross Cutting Relationships Among Community Concerns and Green Urban Infrastructure in the Jordan River Corridor**
Luis Vidal, *University of Utah*
 - **Spatial Impacts on Local Perceptions of the Jordan River**
Cynthia Elliott, *Weber State University*
 - **Utah Water Institutions and Policy Boundaries**
Stacy Henderson, *Salt Lake Community College*
 - **A Comparative Analysis of Attitudes toward Drinking Water between Utah and the Nation**
Adam Whalen, *University of Utah*
 - **What Factors Affect the Way People Think About Xeriscaping**
Gabriela Martinez, *Salt Lake Community College*
- 2:00 - 2:10pm – Break
- 2:10 - 2:55pm – iFellow Presentations, Research Focus Area 3: Making The Connection
 - **Mapping Curbside Delivery of Secondary Water in Urban Areas of Cache Valley, Utah**
Andrew Hackett, *Weber State University*
 - **Mosaicking and Georeferencing Thermal Infrared Imagery of Swaner Preserve, Park City, Utah**
Heather Bottelberghe, *Salt Lake Community College*
 - **Channel Width Movement, Flow Error Analysis, and the Impact of Change on the Lower Bear River, UT**
Todd Brown, *Utah State University*
- 3:00pm – Adjourn

The iUTAH Undergraduate Research Fellows (iFellows) Program is a collaborative, multi-disciplinary and cross-institutional research experience that provides an opportunity for undergraduate students from any Utah institution of higher learning to gain first-hand research experience in the labs of iUTAH project scientists. The iFellows committee would like to thank the Faculty and Near-Peer Mentors at Brigham Young University, the University of Utah, and Utah State University who make this successful program possible through their time and dedication to undergraduate student research development, and also to the 2016 iFellows cohort for their passion and contributions towards research for Utah's water future.