



iFellows Undergraduate Research Program 2017 Schedule

May 15, 2017 - July 28, 2017

Week 1

5/15/17, Monday

iFellows Orientation, 8:30 am - 3:00 pm

**University Guest House and Conference Center, University of Utah
Douglas Ballroom- West**

- 8:30 am – Sign in, informal networking, iFellow logistics (*light snacks and beverages provided*)
- 9:00 am – Welcome, Introductions (*Mark Brunson, USU*)
 - Orientation Overview
 - Schedule for the day
 - iFellows photos (*Carol Rosenthal will take during lunch/breaks*)
 - Group Introductions
- 9:45 am – iUTAH Overview
 - iUTAH: an introduction (*Michelle Baker, USU*)
 - Research Focus Area (RFA) 1 (*Michelle Baker, USU*)
 - Research Focus Area (RFA) 2 (*Ryan Dupont, USU*)
 - Research Focus Area (RFA) 3
 - Education, Outreach and Diversity (*Mark Brunson, USU*)
- 10:45 – Icebreaker (*Maura Hahnenberger*)
- 11:15 am – Break
- 11:30 am – iFellows Program Overview (*Ellen Eiriksson*)
- 12:30 pm – Working lunch: Research group meetings
 - iFellows will meet with mentors to discuss summer plans
- 1:30 pm – Concurrent Sessions
 - **iFellows (Douglas Ballroom - West):**
 - What is Research, and what does it look like? (*Maura Hahnenberger*)
 - **Mentors (Bonneville Boardroom):**
 - Mentor Discussion (*Lucas Moyer-Horner*)

- 2:30 pm – Wrap-up (Douglas Ballroom - West)
 - Assignments to complete before Cohort Session #2 on 5/22:
 1. Write a short Bio of yourself for the iUTAH website, and email to ellen.eiriksson@usu.edu by Friday 5/19
 2. Write your first weekly re-cap, and email it to Carol Rosenthal (carol.rosenthal@usu.edu) by Friday 5/19.
 3. Request an account on the iUTAH participant portal, and browse the iUTAH network.
 4. Connect with iUTAH by signing up for our newsletter (on the iUTAH website), following us on Facebook and Twitter (@IUTAHEPSCOR)
 5. Make a list of what you expect to learn during the iFellow program this summer, including skills you would like to develop. Share this list with your mentor.
 6. Bring to next cohort meeting: Create a “map” of the network in your research lab. Who is in the lab, and what do they do? You will share this during our next iFellow Cohort meeting on 5/22/17.

- 3:00 pm – Adjourn

5/16-19, Tues-Fri Research at mentor’s institution

Week 2

5/22/17, Monday

**iFellows Cohort Session #2, 9:00am – 3:00pm
 USTAR Building 650, Logan, UT
 Room 158**

- 9:00am – Introduction
 - Brief project updates, homework discussion: Research group networks (*Maura Hahnenberger, SLCC*)

- 10:00am – Responsible Conduct for Research (RCR) Training (*Russ Price, USU*)

- 11:30am – Networking Lunch

- 12:00pm – Presenting Research- Posters, PowerPoints, and Papers (*Scott Bates, USU*)

- 1:30pm – Concurrent Sessions
 - Room 158: Improvisation for Scientists (*Maura Hahnenberger, SLCC*)

- Room 305 B: Mentor Training and Discussion (*Lucas Moyer-Horner, UU*)
- 2:55pm – Assignment for Cohort Session 3
 - Develop a working Introduction and Methods portion of your research poster to share with the group during cohort session #3 on 6/5/17. iFellows should bring 10 printed copies of their introduction/methods page (paper size: 8.5in. x 11in.) to cohort session #3 that will be shared with the group.
- 3:00pm – Adjourn

5/23-26, Tues-Fri Research at mentor’s institution

Week 3

5/29/17, Monday Holiday (Memorial Day)

5/30-6/2, Tues-Fri Research at mentor’s institution

Week 4

**6/5/17, Monday iFellows Cohort Session #3, 9:00am – 3:00pm
Brigham Young University
Room 2145, Life Sciences Building**

- 9:00am – "This Cool Thing Happened"
 - Updates and questions from the group
- 9:30am-11:00am – Lightning Presentations: Introductions and Methods
- 10:00am-11:00am – Mentor Discussion (*Lucas Moyer-Horner, UU*)
 - Near-Peer and Faculty Mentors only, LSB 5015
- 11:15am-12:15pm – Mentoring Networks (*Maura Hahnenberger, SLCC*)
- 12:15pm-12:45pm – Lunch
 - Homework for 6/19 cohort session: Bring drafts of figures (data, study design, conceptual model, etc.) you are planning on putting in your poster to share with the group.

- 1:00pm-3:00pm – Provo River Field Trip (*Dylan Dastrup, BYU*)
 - GAMUT site visits:
 - Site #1: Riverwoods: Dropped Pin
near 4801 N University Ave, Provo, UT 84604
<https://goo.gl/maps/Xm9G8sse9Su>
 - Site #2: Harbor Drive: Dropped Pin
near 2931-3127 N Boat Harbor Dr, Provo, UT 84601
<https://goo.gl/maps/ffu5ndWjgbv>
- 3:00pm – Adjourn

6/6-9, Tues-Fri Research at mentor’s institution

Week 5

6/12-6/16, Mon-Fri Research at mentor’s institution

Week 6

**6/19/17, Monday iFellows Cohort Session #4, 9:00am – 3:00pm
Utah State University
Engineering Laboratory
ENLAB 227**

- 9:00am – Homework discussion
 - iFellows will share the drafts of figures (data, study design, conceptual model, etc.) you are planning on putting in your poster to share with the group.
- 9:30am-12:30pm – Data Quality Control Exercise (*Amber Jones, et al.*)
- Concurrent Session: 10:00am-11:00am – Mentor Discussion (*Lucas Moyer-Horner, UU*), ENLAB 221
 - Near-Peer and Faculty Mentors only
- 12:30pm-1:15pm – Lunch
 - Homework for 7/7 cohort session: Over the next couple of weeks, create your draft research poster and present the draft to your research group. Bring a digital draft poster to the 7/7 cohort session on a USB drive. You will present your poster to

the group in a 5 minute presentation, and will receive feedback.

- 1:15pm-3:00pm – Logan River Field Trip (*Mark Brunson, USU*)
- 3:00pm – Adjourn

6/20-23, Tues-Fri Research at mentor's institution

Week 7

6/26-30, Mon-Fri Research at mentor's institution

Week 8

7/3/17, Monday Research at mentor's institution

7/4/17, Tuesday Holiday (Independence Day)

7/5-6, Tues-Thurs Research at mentor's institution

7/7/17, Friday **iFellows Cohort Session #5**
University of Utah

Week 9

7/10-12, Mon-Weds Research at mentor's institution

7/13/17, Thursday **iUTAH Symposium Day 1**
Logan, UT

- iFellows Poster Session

7/14/17, Friday **iUTAH Symposium Day 2**
Logan, UT

Week 10

7/17-21, Mon-Fri Research at mentor's institution

Week 11

7/24/17	Holiday (Pioneer Day)
7/25, Tues	Research at mentor's institution
7/26/17, Wednesday	iFellows Research Symposium University of Utah, Marriott Library – Gould Auditorium
7/27-28 Thurs-Fri	Research at mentor's institution

iUTAH Undergraduate Research Fellows (iFellows) Research Symposium

July 26, 2017

J Willard Marriott Library – Gould Auditorium
University of Utah
295 South 1500 East, Salt Lake City, UT 84112

Agenda

- 9:00am – Sign-in, Informal networking, light breakfast
 - Presenters load presentations on laptop
- 9:20am - 9:30am – Welcome (*Mark Brunson, iUTAH Education Outreach and Diversity Director*)
- 9:30am - 10:30am – iFellows Presentations, Research Focus Area 1: Examining the Water Cycle
 - **Impacts of Salinity on Photo-reactive Fluorescent Tracer Dyes**
Gabrielle Regenhardt, University of Utah
 - **Harmful Algal Blooms On Utah Lake**
Eric Shipp, Brigham Young University
 - **Measuring Cyanobacteria Growth Response to Changes in Phosphorous**
Agatha Roese, Brigham Young University
 - **Greenhouse Gas Emissions from Utah Wetlands**
Desiree Wickwar, Westminster College

- 10:30am – 10:45am – Break
- 10:45am - 11:45am – iFellows Presentations, Research Focus Area 1: Examining the Water Cycle
 - **The Impact of Competition on Plant Water Use Efficiency**
Rosanise Odell, *Westminster College*
 - **Effects of Beaver Dams on Stream Biogeochemistry**
Arin Towns, *Utah State University*
 - **Exploring Avifaunal Community Assemblages as an Indicator of Riparian Quality**
Margaret England-Johns, *Weber State University*
 - **Mapping the Upper Provo River Watershed via Soil and Plant Analysis**
Andrew Luymes, *Brigham Young University*
- 11:45am - 12:30pm – Lunch
 - 2017 iFellows program slideshow
- 12:30pm - 1:15pm – iFellows Presentations, Research Focus Area 2: People, Places and Pipes
 - **Socio-environmental Analysis of Landscape Tree Choices in Cache Valley, Utah**
Emily Jorgensen, *Brigham Young University*
 - **Monitoring Microbial Loading in Storm Water Runoff from Various Surface Types**
Chase Beyer, *Westminster College*
 - **Microbial Contamination of Die-Off on Plants Irrigated with Treated Wastewater**
Conor Tyson, *Utah State University*
- 1:15pm -1:30 pm– Break
- 1:30pm- 2:15pm – iFellow Presentations, Research Focus Area 3: Making The Connection
 - **Evaluating Model Accuracy for Fish Habitat in the Weber Watershed**
Lindsay Capito, *Utah State University*
 - **Quantifying Spatial Variation of Habitat Suitability in the Weber Watershed**
Michael Fowles, *Weber State University*

- **Using a WEAP Model to Predict Unmet Municipal & Industrial Water Demand due to Population Growth and Drought Duration in Cache County**
Christian Ford, *Salt Lake Community College*

- 2:15pm – What’s Next?
 - Scott Bates, *Utah State University*
 - 3:00 – Adjourn
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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 2017 iFellows cohort for their passion and contributions towards research for Utah’s water future.