



# Summer Retreat Agenda

June 25 & 26, 2018  
CSU Mountain Campus, Hotchkiss Lodge

## June 25, 2018

- 10:00 a.m. Ropes Course (*arrival by 9:45 am*)
- Noon Lunch
- 12:45 p.m. Retreat Opening Remarks (Tom)
- 1:00 p.m. Retreat Welcome/Orientation (CSU Mountain Campus Staff)
- 1:10 p.m. Faculty Lead Discussion: Melissa Reynolds  
*"Measuring the "right" analyte concentration in complex environments"*
- 1:50 p.m. *Break*
- 2:00 p.m. Rapid Fire Presentations by Trainees
- 3:00 p.m. *Break*
- 3:15 p.m. Faculty Panel Lead Discussion, Carol Wilusz, Zaid Abdo & Jessica Metcalf  
*"Opportunities in Microbiome Science"*
- 4:00 p.m. Rapid Fire Presentations by Trainees (Happy Hour)
- 5:00 p.m. Hike, Outdoor Free Time/ cont. Happy Hour
- 6:00 p.m. Dinner
- 7:00 p.m. Student Discussions  
Topics: Outreach Brainstorming (Seré Williams);  
Professional Skills training (Aeriel Belk);  
Mentoring (Luke Schwerdtfeger);

Informal Discussion in Spruce Hall Lounge - Faculty Planning/Program Goals:  
Plans for bi-weekly meetings in Fall (presenter, topics, format)

June 26, 2018

7:00 a.m. Breakfast

Morning Research Discussion Begin

8:30 a.m. GAUSSI Capstone - *Benefits and Improvement*, Asa Ben-Hur

8:50 a.m. Engaging public audiences in science/engineering, Jessie Filer & Reyes Murrieta

9:20 a.m. Break

9:30 a.m. Optogenetics, Fred Hoerndli  
*Discussion on how the tools benefit different areas of research*

10:30 a.m. Metagenomic Data Visualization with R Shiny and Other Resources, Steven Lakin

10:45 a.m. Break

11:00 a.m. Faculty Lead Discussion: Steve Simske  
*Thinking about Genomics through a Machine Learning Lens: Basics of how DNA and RNA sequences translate into commonly-studied areas.*

12:00 p.m. Lunch

1:00 p.m. Orientation

2:30 p.m. Afternoon Hike – Folks begin to leave

### Rapid Fire @ 2pm

<u>Name (First)</u>	<u>Name (Last)</u>	<u>College</u>	<u>Department or Degree Program</u>
Mike	Mangalea	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Lyndsey	Gray	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Reyes	Murrieta	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Shaun	Cross	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Alyssa	Melvin	Natural Sciences	Chemistry
Julius	Stuart	Natural Sciences	Chemistry
Sere	Williams	Natural Sciences	Botany
Aeriel	Belk	Agricultural Sciences	Animal Science
Heather	Deel	Veterinary Medicine and Biomedical Sciences	Cell and Molecular Biology
Sam	Ogden	Agricultural Sciences	Animal Science
Dayton	Pierce	Veterinary Medicine and Biomedical Sciences	Cell and Molecular Biology

### Rapid Fire @ 4pm

<u>Name (First)</u>	<u>Name (Last)</u>	<u>College</u>	<u>Department or Degree Program</u>
Bridget	Eklkund	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Steven	Lakin	Veterinary Medicine and Biomedical Sciences	Microbiology, Immunology, and Pathology
Jessie	Filer	Veterinary Medicine and Biomedical Sciences	Cell and Molecular Biology
Luke	Schwerdtfeger	Veterinary Medicine and Biomedical Sciences	Biomedical Sciences
Caleb	Begly	Walter Scott, Jr. College of Engineering	Electrical Engineering
Charlotte	Cialek	Natural Sciences	Biochemistry and Molecular Biology
Dylan	Parker	Natural Sciences	Biochemistry and Molecular Biology
Robert	Williams	Natural Sciences	Biochemistry and Molecular Biology
Zach	Fox	Walter Scott, Jr. College of Engineering	Biomedical Engineering
Michael	May	Walter Scott, Jr. College of Engineering	Biomedical Engineering
Daniel	Jonas	Natural Sciences	Mathematics
Gareth	Halladay	Natural Sciences	Computer Science