

## Bacteriophages Bringing Research into the Classroom – Brandl, et al. Appendix C. Sample Academy Agenda



### 2018 BRIC Program Summer Teacher Academy

Montana Learning Center and Montana Tech

Saturday, June 9<sup>th</sup> to Friday, June 15<sup>th</sup>

The second summer academy is upon us! This summer, we will turn our attention to deeply investigating our own research questions. We will blend your personal research experiences with discussion about pedagogical approaches for the classroom.

### SATURDAY, JUNE 9<sup>th</sup>

**12:00 – 2:00 pm** Check in at Montana Learning Center (MLC)

- ✓ Enjoy some free time at lake

**2:00 pm** Academy Opening

- ✓ Reintroductions and quick share of past year
- ✓ Overview of Academy Agenda
- ✓ Expectations for Personal Research Projects
- ✓ Notebooks

**2:30 pm** Celebration: Report on Year 1

- ✓ Classroom visits
- ✓ *Highlights* and *Dimmerlights* of classroom visits
- ✓ Phages discovered by students
- ✓ Student assessments
- ✓ Washington DC trip
- ✓ 3-2-1's
- ✓ Remote Labs

**3:30 pm** History of the Mycobacteriophage Genomics

- ✓ Review of Phage Genome Papers
- ✓ Phages dB Update
- ✓ New Papers on Biome and Metagenomics

**5:30 pm** Share Out/Update from Teachers on Projects

**6:30 pm Dinner BBQ at MLC**

## **SUNDAY, JUNE 10<sup>th</sup>**

**7:30 am Breakfast @ MLC**

**8:30 am Reflections and Journaling**

**8:45 am Bioinformatics and Phage Annotation**

**12:00 pm Picnic Lunch @ MLC**

**1:00 pm Dr. Bev Hartline, Dean of Graduate Studies, Montana Tech**

- ✓ Discussion of Ethics
- ✓ IRB/IACUC
- ✓ Henrietta Lacks

**3:00 pm Break in the Lake**

**5:00 pm Leave for Dinner in Helena**

## **MONDAY, JUNE 11<sup>th</sup>**

**6:30 am Breakfast for the Go**

**7:00 am Depart MLC for Butte**

- ✓ Drop cars to campus
- ✓ Car pool to Bozeman-Marisa and Chris driving
- ✓ Give lunch orders

**9:00 am Depart Tech for Bozeman**

**11:00 am Transmission Electron Microscopy-Group 1  
Group 2 Lunch (provided)**

- 12:30 pm**      **Transmission Electron Microscopy—Group 2  
Group 1 Lunch (provided)**
- 2:00 pm**      **Depart for Butte**
- 4:00 pm**      **Social Time in Butte**
- 6:30 pm**      **Dinner on your own/check into hotel**

## TUESDAY, JUNE 12<sup>th</sup>

### Breakfast at Hotel

- 8:30 am**      **Project Planning for Tuesday, Wednesday, and Thursday**
- ✓ Break into mentor groups
  - ✓ Planning for experiments/field site visits if needed
  - ✓ Goal setting for the week—What do you want to get accomplished?
- 9:00 am**      **Break out to individual projects**
- 12:00 noon**    **Lunch (provided)**
- 5:00 pm**      **End of Day Wrap-Up**
- ✓ HSB Room 002
- 5:30**          **Quick Project Review**
- ✓ What problems/obstacles are you encountering?
- 6:00**          **Dinner on your Own**

## WEDNESDAY, JUNE 13<sup>th</sup>

### Breakfast at Hotel

- 8:30 am**      **Bad Science and Science Literacy (RC& MP)**
- ✓ Autism and Vaccines
  - ✓ Bad Science Book Preview
  - ✓ Using primary sources for reading literacy and science literacy
    - Library of Congress
- 9:30 am**      **Breakout for individual projects**
- 12 noon**      **Lunch at Foreman’s Park (provided)**
- 1:00 pm**      **Breakout for individual projects**
- 4:00 pm**      **Presentation Planning**
- ✓ HSB 002
- 5:00 pm**      **End of Day Wrap-Up**
- ✓ HSB 002
- 5:30 pm**      **Dinner on your own**

**THURSDAY, JUNE 14<sup>th</sup>****Breakfast at Hotel**

- 8:30 am**      **Academy Reflections**
- 9:00 am**      **Breakout for individual Projects**
- 12:00 pm**     **Lunch (provided)**
- 1:00 pm**      **Breakout for individual Projects/Presentation Prep**
- 3:30 pm**      **Focus Group Interviews**  
                    ✓ **HSB 002**
- 6:00 pm**      **Dinner at Park 217**
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**FRIDAY, JUNE 15<sup>th</sup>****Breakfast at Hotel**

- 8:30 am**      **Fall Course Planning**
- 9:00 am**      **Individual Project Presentations (30 minutes/person)**
- 12:30 pm**     **Lunch (provided)**
- 1:30 pm**      **Individual Project Presentations (cont.'d)**
- 2:00 pm**      **Paperwork and more Paperwork/Academy Reflections**
- 2:30 pm**      **END**