

The Thompson Earth Systems Institute Scientist in Every Florida School Summer Workshop Preliminary Information Guide



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Information in this guide is subject to change. We will provide new and updated information as it becomes available. For additional questions, please contact us at michael.ziegler@ufl.edu or 352-273-1936.

Biosphere Workshop Project – PD July 2019

As part of your activities during the Biosphere PD, 7 to 12 July 2019, you will be expected to present a “deliverable” project on Friday morning, the last day of the workshop. You will have several hours to work on this during dedicated time in class (Tu-Th mornings), and in the evenings (our K-12 Moonshot coordinators will be available).

This project deliverable can take several forms and we want you to have the opportunity to innovate. It should in some way relate to some aspect of the Biosphere content and/or the objectives of the Moonshot project. Optimally you will work in a small team (2 or 3),* although this is not mandatory.

Examples of a possible project deliverable might include (but are not limited to):

1. A detailed outline of a lesson plan that would involve the research that you do in the assigned lab.
 2. A detailed outline of a lesson plan that relates to some theme that was presented during any of the morning sessions.
 3. A collaboration that advances the objectives of the “Scientist in Every Florida School” you envision developing with a scientist, e.g., that you met during the PD, to be implemented in your classroom during 2019—2020. *You might, for example, team up with other teachers in your district, or close-by, to develop a joint program.
 4. Within the context of a lesson plan or other classroom activity, a video of your experience in the laboratory that you would plan to show in classroom during 2019—2020.
 5. Some other idea to be approved by the PD scientists and facilitators.
- Your project will be presented during a gallery walk on Friday morning. You can use simple large post-it notes with markers (provided) or, for example, a video to be displayed on a screen.

SEFS Contact Information

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SEFS Northern Region Coordinator: Brian Abramowitz: C. 516-225-9390
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Lodging

Hume Honors Residential Hall

Residential College
19 Hume Honors
Residential College
Gainesville, Fl. 32612

Visit the Hall's website to view the floor plan:

<https://www.housing.ufl.edu/housing/hume-hall/>

Packing and Supplies

A previous participant has kindly created a survival guide for educators to use while staying on campus for PDs:

UF Dorm and General Campus Survival Guide

Courtesy of Jennifer Broo, veteran of UF summer PDs and teacher, Mariemont HS, Cincinnati

Here's my survival guide:

- 1) Extra-long sheets (especially a bottom (fitted) sheet) and pillow
- 2) Extra blanket - you can control the temperature somewhat but it's usually still pretty cold at night in Hume
- 3) Egg crate/mattress topper - the dorm mattresses in Hume are very firm
- 4) Hand soap for the bathroom
- 5) Hangers
- 6) Reading light - there's only one light switch and I like to read before bed
- 7) Towel - usually the ones provided are pretty small
- 8) All personal toiletry items including a blow dryer
- 9) Water Bottle
- 10) Umbrella

11) Comfortable walking shoes for getting around campus - many teachers don't realize how much walking they will be doing just to get to different places on campus

12) There is a stove and microwave in the dorm, so some people bring cooking and eating utensils for longer programs - Some teachers bring a coffee maker if they need coffee first thing in the morning. There is no refrigerator though.

13) There are laundry facilities that take credit cards (probably not necessary for one week).

14) Hume does have vending machines and an ice machine - many teachers used the ice for their water bottles.

Bathrooms and rooms are double occupancy.

On free nights, walk down and watch the bats come out of the bat houses at sunset...it's so amazing to watch! It's about a 10-minute walk from the dorm to the bat houses.

Jennifer Broo

June 2019

Required Clothing

During the morning sessions, business casual attire is fine. Your lab will contact you with specific items required in their lab. Please be certain to bring close-toed shoes, as most labs require safe foot wear.

Please bring sunscreen, a water bottle, snacks, and a rain jacket/umbrella to help you enjoy your time on campus.

Equipment

Please remember to bring a laptop or tablet from which to do work. Don't forget your charger! Your labs will provide all necessary equipment for the research being conducted.

Workshop Schedule

(Subject to Change)

*Indicates Meal Provided by SEFS

Sunday, July 7th

1:00p-6:00p: Participants arrive at Hume Hall in Gainesville. Please be sure to check in between 1:00p-6:00p.

Evening activity: Ice-Breaker at First Magnitude Brewery. Address: 1220 SE Veitch Street, Gainesville, Fl. 32601. www.fmbrewing.com

1:00p-6:00p: Check in to Hume Hall (See Campus Map, page 9)

7:00p-9:00p: Ice Breaker at First Magnitude Brewery. Food Truck usually available for dinner (Dinner NOT provided by SEFS workshop)

Monday, July 8th – Location: McGuire Conference Room, Powell Hall Florida Museum of Natural History

7:40a: Meet in front of Hume Hall to drive to Powell Hall

7:45a-8:00a: Drive to Powell-Stephanie, Brian, Jeanette, Michael will drive

8:00a-8:30a: Light breakfast*

8:30a-9:00a: Welcome, introduction, learning goals, game-plan, logistics-Bruce MacFadden

9:00a-9:15a: Spark: Surface 71-Stephanie Killingsworth

9:30a-10:00a: Keynote: Earth Systems: The Biosphere-Dr. Jen Bauer

10:00a-11:00a: Tour Discovery Zone and Museum Education Department-Education Department

11:00a-11:30a: Tour the Kawahara Lab-Laurel Kaminsky

11:30a-12:00p: Explore Powell Hall on own

12:00p-1:00p: Lunch*, organize for travel to Dickinson

1:00p-1:30p: Travel to Dickinson Hall for remaining tours

1:30p-2:00p: Group 1: Sessa Lab; Group 2: Reed Lab

2:00-2:30p: Group 1: Reed Lab; Group 2: Sessa Lab

2:30p-3:00p: Group 1: MacFadden Lab; Group 2: Cannarozzi Lab

3:00-3:30p: Group 1: Cannarozzi Lab; Group 2: MacFadden Lab

3:30-4:00p: End of the day activities, logistics for Tuesday

4:00p-4:30p: Travel back to Powell

5:00p-7:30p: Participants on own for Dinner

7:30p-9:00p: Informal Discussion-Stephanie Killingsworth and Brian Abramowitz

**Tuesday, July 9th--Location: McGuire Conference Room, Powell Hall Florida
Museum of Natural History**

8:00a-8:30a: Light breakfast*, Announcements, Reflections

8:30a-8:45a: Spark Video: Reframing Sea Level Rise—Dr. Andrea Dutton

9:00a-9:30a: Keynote: oVert: Digital Vertebrates-Dr. David Blackburn

9:30a-10:00a: Keynote: Role Model Visits-Michael Ziegler

10:00a-11:00a: Moonshot Intro and Brainstorming-Dr. Bruce MacFadden

11:00a-12:00p: Individual Project Brainstorming-Stephanie Killingsworth and
Brian Abramowitz

12:00p-1:00p: Lunch*

1:00p-1:30p: Travel to lab

1:30p-4:30p: Lab Work

Evening: Free time for project development, dinner on own, optional walk to UF
Bat Houses

Wednesday, July 10th--Location: Corry Village Commons

8:00a-8:30a: Light breakfast*, Announcements, Reflections

8:30a-8:45a: Spark: IFAS—Dr. Charlotte Emmerson

9:00a-9:30a: Keynote: Technology—Dr. Pasha Antonenko

9:30a-10:00a: Keynote: Streaming Science- Dr. Jaime Loizzo

10:00a-11:00a: Moonshot Brainstorming: Dr. Pasha Antonenko

11:00a-12:00p: Individual Project Development-Stephanie Killingsworth and Brian
Abramowitz

12:00p-1:00p: Working Lunch*-Nature Apps in the Classroom Introduction—Sadie
Mills

1:00p-1:30p: Travel to lab

1:30p-4:30p: Lab Work

Dinner on own

6:30p: Meet in front of Hume Hall to drive to Sweetwater Wetlands

6:35p-7:00p: Drive to Sweetwater Wetlands for optional fieldtrip

7:00p-8:00p: Field trip at Sweetwater—Introduction to nature apps for classroom
use-Lead by Sadie Mills

8:00p-8:30p: Drive back to Hume Hall

**Thursday, July 11th— Location: McGuire Conference Room, Powell Hall Florida
Museum of Natural History**

8:00a-8:30a: Light breakfast*, Announcements, Reflections

8:30a-8:45a: Spark: On Tiny Wings—Kristen Grace
 9:00a-9:30a: Keynote: Tree of Life—Dr. Doug Soltis
 9:30a-10:00a: Keynote: Florida Archaeology- Nicole Cannarozzi
 10:00a-11:00a: Moonshot Brainstorming: Dr. Bruce MacFadden & Dr. Pasha Antonenko
 11:00a-12:00p: Individual Project Development-Stephanie Killingsworth and Brian Abramowitz
 12:00p-1:00p: Lunch*
 1:00p-1:30p: Travel to lab
 1:30p-4:30p: Lab Work
 Evening: Free time for project development, dinner on own, Moonshot coordinators available for help

Friday, July 12th– Location: McGuire Conference Room, Powell Hall Florida Museum of Natural History

7:00a-8:00a: Check out from Hume Hall (Check out procedures will be emailed at a later date).
 8:00a-9:00a: Light breakfast*, Announcements, Reflections, Logistics
 9:00a-9:30a: Keynote: Angari Foundation: Amanda Waite
 9:30a-10:00a: Group Photo
 10:00a-11:30a: Gallery Walk, videos if needed
 11:30a-12:00p: Wrap-up, Next Steps, action Items, evaluation
 12:00p-1:00p: Working Lunch*-Brainstorming session for the future of SEFS with Scientists
 1:00p: Workshop concludes, Participants travel home

Check-In Procedures

You will need to check in at the front desk of Hume Hall (See Campus Map, and Hume Hall Map for parking lot location, Page 10).

Check in will be from 1:00p to 6:00p on Sunday, July 7th, 2019.

You will need to confirm your name with the front desk staff, and sign for room key and access fob for your assigned room.


Check-Out Procedures


You will need to check out at the front desk of Hume Hall by **8:00a on Friday, July 12th, 2019.**


Further check out procedures will be emailed prior to arrival.


Campus Map

Key: Main Meeting Rooms

 McGuire Conference Room, Powell Hall, Florida Museum of Natural History,
Natural Area Teaching Lab- Storer, Swanson

 Hume Hall

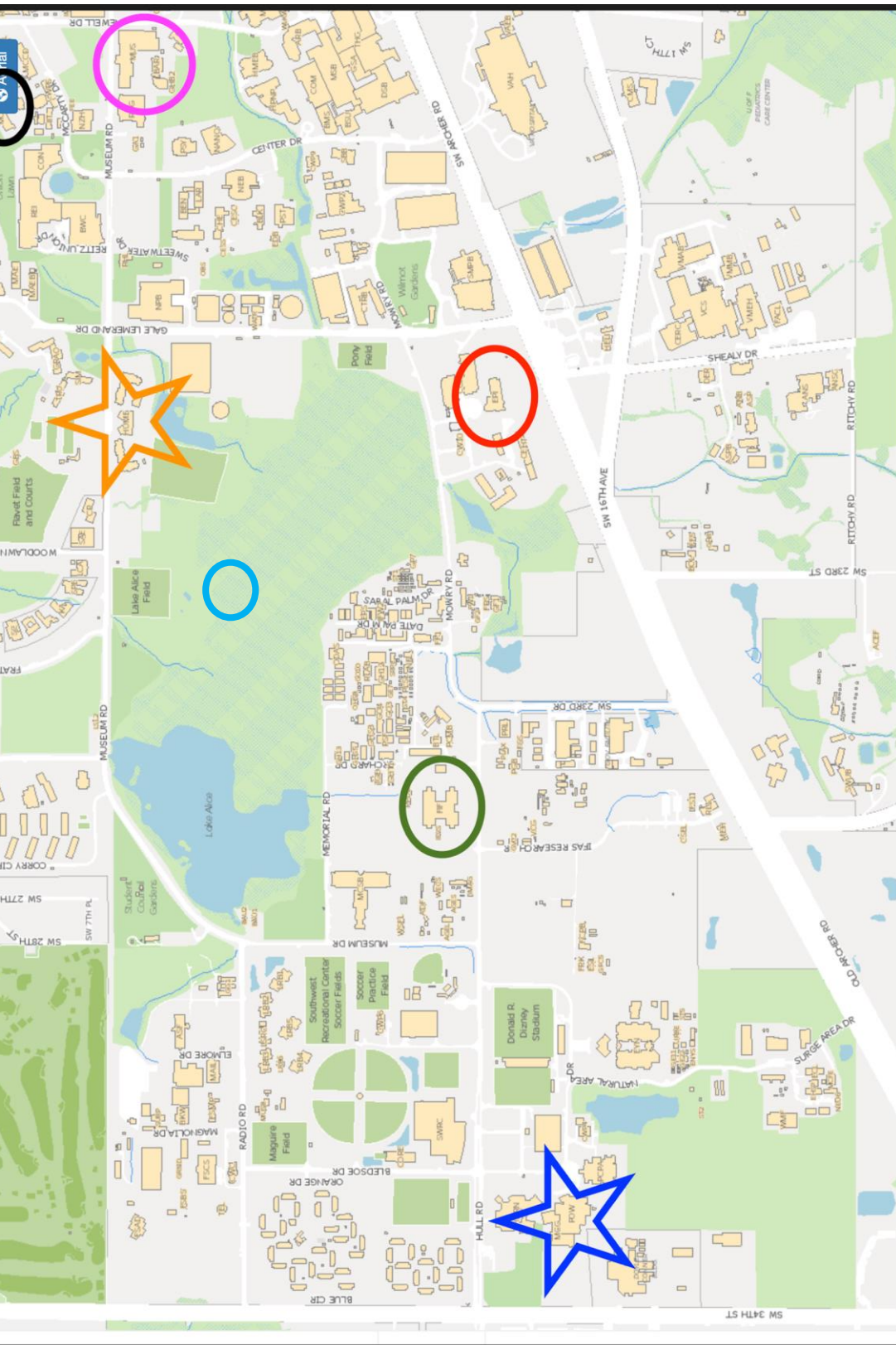
 Dickinson Hall Courtyard (Dickinson Hall, Bartram Hall, Carr Hall)- Ziegler,
Pirlo, Cannarozzi, Sessa, Miro,

 Fifield Hall (IFAS)- Garner

 Emerging Pathogens Institute-Ascunce

 McCarty A-Smid

 Corry Village Commons



Parking

Parking permits have been allocated for all participants. They will be provided at the Ice Breaker event at First Magnitude Brewery on Sunday, July 7th, 7-9p. Don't forget to pick one up!

Meal Planning

Gainesville has many dining options near, and even, on campus. Many restaurants can be found in:

- Butler Plaza area (website: <https://www.shopatbutler.com/eats/>)
- Downtown Gainesville (website: <http://www.downtowngainesville.net/restaurants/>)
- Celebration Point (website: <https://www.celebrationpointe.com/shop-eat/>).

The following link provides options for on-campus dining:

<https://gatordining.com/mealplans/where-to-eat-map/> along with Dining Hours on campus: <https://gatordining.com/location-hours/>

Don't forget to check back on the workshop schedule (pages 5-7) to see which meals the SEFS workshop will provide!

Sweetwater Wetlands Field Trip Information

We will be hosting an optional field trip out to Sweetwater Wetlands Park (<https://www.sweetwaterwetlands.org/>) found near campus. Check the schedule for departure times (page 6). Please keep in mind that we will out around dusk, meaning the mosquitoes will be fierce! Long sleeves and long pants are recommended, as is bug spray and comfortable walking shoes. We will have the chance to try out some of the Nature Apps (available for both IOS and Android

devices) presented during lunch on Wednesday while out in the field. To prepare for the trip ahead of time, please feel free to download the following apps:

- iNaturalist
- Merlin Bird ID
- Seek
- myFOSSIL

Don't forget to fill up your water bottle before the trip!