



## 2023 Summer Camp: Explore the Making of Medicine Itinerary

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### ***Monday, August 14<sup>th</sup>***

**8:30 - 9:00 am:** Check-in/Arrival to 150 New Scotland Ave.

**9:00 – 10:00 am:** Laboratory Tour and Safety Presentation

**10:00 – 10:30am:** Fit for Lab Coat and Safety Glasses (PPE)

**10:30 – 12:00pm:** “Germs are Everywhere” -> Science of Mold Experiment. Learn about the many kinds of microbes in our environment!

**12:00 – 1:00pm:** Lunch & Snack Break

**1:00 – 2:00pm:** Learn about Aseptic Technique

**2:00 – 4:00pm:** Practice Aseptic Techniques, Agar Art Activity

**4:00 – 4:30pm:** End of day pick up

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### ***Tuesday, August 15<sup>th</sup>***

**8:30 – 9:00am:** Check-in/Arrival

**9:00 – 10:00am:** Transform plants medicines at ACPHS’ Medicinal Garden w/ mint tea provided

**10:00 – 12:00pm:** Learn about antibiotics and antibacterial agents

**12:00 – 1:00pm:** Lunch & Snack Break

**1:00 – 3:00pm:** Practice lab skills -> How precise can you be? Compete to measure the exact volumes and masses by using a balance and graduated cylinder.

**3:00 – 4:00pm:** Outbreak tag on ACPHS Soccer Field

**4:00 – 4:30pm:** End of day pick up



***Wednesday, August 16<sup>th</sup>***

**8:30 – 9:00am:** Check-in/Arrival

**9:00 - 9:30am:** Put on lab PPE

**9:30 – 10:00am:** Check on growth from mold experiment and agar plate streaking from Day 1.  
Document your observations!

**10:30 – 12:00pm:** What is a Microscope? -> Observe your mold experiment under the microscope

**12:00 – 1:00pm:** Lunch & Snack Break

**1:00 – 2:00pm:** Learn about modern medicines!

**2:00 – 4:00pm:** GFP Lantern activity and introduction to biopharmaceuticals

**4:00 – 4:30pm:** End of day pick up

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***Thursday, August 17<sup>th</sup>***

**8:30 – 9:00am:** Check-in/Arrival

**9:00 - 9:30am:** Put on lab PPE

**9:30 – 10:00am:** Final day for observing mold experiment and agar plate streaking experiment from Day 1. Document observations!

**10:00 – 11:00am:** Observe the antibiotic properties experiment agar plates from Day 2. Document observations!

**11:00 – 12:00pm:** Learn how an autoclave works and how to properly dispose of microbes

**12:00 – 1:00pm:** Lunch & Snack Break

**1:00 - 2:30pm:** Prepare calamine lotion or sugar scrub w/ Professor Andrew Flynn

**3:00 – 4:00pm:** Activity on ACPHS Soccer Field

**4:00 – 4:30pm:** End of day pick up



**STACK FAMILY**  
CENTER FOR BIOPHARMACEUTICAL  
EDUCATION AND TRAINING



**ALBANY COLLEGE  
OF PHARMACY  
AND HEALTH SCIENCES**

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***Friday, August 18<sup>th</sup>***

**8:30 – 9:00am:** Check-in/Arrival

**9:00 - 9:30am:** Put on lab PPE

**9:30 - 11:00am:** Biofilms & Elephant toothpaste experiment!

**11:00 – 12:00pm:** Play “The Making of Medicine” Kahoot and test what you learned from the week

**12:00 – 1:00pm:** Lunch & Snack Break

**1:00 - 2:30pm:** Ice Cream and Movie

**3:00 – 4:00pm:** Bio Arcade w/ giveaway prizes

**4:00 – 4:30pm:** End of day pick up