Auburn USDA CS Liaison Meeting Agenda

**Date:** 24 April 2025

**Zoom Info:**

- https://hmc-edu.zoom.us/j/91402147478?pwd=bau13Kp335ceA9YCc3AApWyI5eH6rD.1 - Meeting ID: 914 0214 7478

- Passcode: CLINIC2025

**Agenda**

- We’re working on a lot of final deliverable things

- Poster, Pitch, Final Presentation, Final Report

- After Friday 4/25 our focus will be entirely on these final deliverables - GUI Updates

- Lots of bug fixes!

- Packaging the application so you can use it works! Expect us to send out a download sometime on Friday.

- ML Updates

- Our attempts at using data augmentation did not yield any improvements, although if we had more time they probably could have

- Models are fully trained and working in the GUI

- Post Processing?

- Providing feedback on the manuscript.

- Looking forward

- We hear they have selected interns for this summer, once we know who they are we will reach out and schedule a meeting to get them acquainted with what’s going on

- Do we want to meet on May 8?

- Upcoming Events

- Code freeze 4/25 (Tomorrow)

- Final Poster 4/29

- Draft Report 4/30

- Final Presentation 5/6

- Final Report + Deliverable 5/9

**Assigned Notetaker:** Lillian (Zach Backup)

**Minutes**

* Interns have been selected, the team plans to meet with them first week of May
* Mehrezat/Devanshi: GUI: mostly working on bugfixes, some settings don’t save, etc.
* Packaging into executable is working, will send final version tomorrow
* Zach: ML updates
  + tried some runs with data augmentation, didn’t see much improvement and ran out of time
  + models are working well, useable from the GUI
* Milo: Post-processing
  + hidden semi-markov model takes an hour to run per probe, will not be included
  + adding post-processing to GUI might be good starter project for interns
* Dr. Reif: video walkthrough of how to use GUI would be helpful
* Zach+Milo have read manuscript, left comments — writing is mostly good
* Coming weeks
  + Complete deliverable will come first week of May
  + We’ve been working on poster, 1 minute pitch to juniors this Fri
  + Code freeze Friday, projects day on May 6, final deliverable May 9
  + Coming week will mostly be working on final report
  + Will plan to still meet Thurs May 8
* Dr. Backus: working on sharpshooter labeling, 23 subtypes — is more specificity good?
  + Milo: likely to perform worse, but can encode structure — punish model less for for labels which are similar than those that are very different
* Dr. Reif requests that we share google drive folder w/ notes, minutes, etc.