

CPR/SE 491 Weekly Report MAY 15-10 Week 1 (8/24/14-8/31/13)

Advisors: Ruchi Chaudhary **Client:** Ruchi Chaudhary

Members (roles): Ben -- Team leader

Cole -- Team Key Concept Holder

Ian -- Webmaster

Paul -- Communication Leader

Project Title: Gene Tree Improvement Tool / TreeFix

Weekly Summary

The goal of week one was to form the team and orient ourselves. We achieved this goal trivially, but we all understand our individual responsibilities. We also held a meeting with our advisor/client, Ruchi Chaudhary, to discuss initial concepts necessary for our project's success. A paper was presented to read by next week, when we will discuss the ideas outlined in that paper.

Meeting notes:

9/3 Group Meeting

Duration: 45 min **Members Present:** All

Purpose and Goals:

Establish contact with team members, get contact information and set up a time to meet with our advisor.

9/5 Group Meeting with Advisors

Duration: 20 min **Members Present:** Cole, Ben, Paul

Purpose and Goals:

Establish contact with both advisors, define project deliverables, answer logistical questions, and make sure everyone is on the same page.

Achievements:

As a group, we defined exactly what was expected of us over the course of the project:

9/7 Group Meeting

Duration: 30 min **Members Present:** All

Purpose and Goals:

To complete the weekly report.

Pending issues

1. Develop team-wide understanding of TreeFix.

Plans for next week

1. Everyone on the team is supposed to read the *TreeFix: Statistically Informed Gene Tree Error Correction Using Species Trees* paper and bring any questions that may arise to Ruchi during our next meeting. An understanding of this paper will help make the purpose of the project much more clear.

Individual Contributions(this week)

Ian Ray read portions of TreeFix research paper, revisited project-important concepts like phylogeny, bayesian inferencing. (1 hr)

Cole Poffenberger: Read documentation for MulRf (45 min) and reviewed TreeFix. (15 mi)

Paul Leichty: read part of research paper, looked over TreeFix code

Ben Streit: read up on the background for MulRf gene trees in order to have a better understanding of what we are working towards(30min)

Total contributions for the project

Ben (~1 hr)

Cole(~1 hr)

Ian(1 hr)

Paul(1 hr)