**Development Timeline and Milestones**

* **October 5th:** Preliminary design choices of the adaptions to ClusterMaker2

1. Network choices
2. Network formats
3. Node annotations for biomarker relevance
   1. Secreted proteins
   2. Disease associated proteins
   3. Mutated proteins
4. Node weighted clustering algorithm: adaptation to clustermaker
5. Edge annotations for biomarker relevance? (Possible edge weighted clustering algorithm)
6. Global networks or tissue/cell specific?
7. Cell lines
8. Mode of operation in the clusermaker2 app
9. Data access? : Package data / app or some for of web-service through the app? Or both?
10. Name? -> ClusterBiomarker ?
    * + **October 5th –December 15th :** Intensive development period.
      + **Renew pipeline 30th Octobers**
      + **November 1st:** Finalize design choices above
      + **December 18th:** Short demo to researchers (Eivind Hovig + 1 other person) at the Radium Hospital to get some user feedback

The following development milestones below will be reviewed at December 18th

* + - **January 5th :** begin implementing feedback based on the meetings of December 18th
    - **January 20th:** Completed analysis of test data from the public literature
      * Data sets to be provided, or pointed to by Trevor
      * Evaluated together with Henning , Trevor and Eivind Hovig
    - **February 5th:** completed re-analysis and implementation of features from the feedback on January 20th . Trevor will send proteomics data from the Movember project .
    - **February 28th :** Completed analysis and report from the proteomics data from the Movember project.
    - **February 5-** **April 5th :** Continuous and integrative tasks for evaluation and benchmarking :
      * Choice of statistical test
      * Choice of benchmarking
      * Reports , plots or comparison and statistical performance (exact type will depend on the nature of the choice of tests and comparison datasets)
    - **March 5th :** Meeting with one of the cancer researchers at the Movember project , feedback and steps forward for minor polishes for the app.
    - **March 5th –** **April 1st** : Evaluation of the necessary conditions and features needed to submit your ClusterBiomarker app into the Cytoscape community

**Writing Timeline and Milestones**

**October 15th:** 2nd version of Introduction

**November 1st:** Begin writing the methods section

**December 21st:** Completed draft of the Methods section

**January 20th:** beginning writing results section

**January 20th:** beginning writing discussion and conclusions section