Erin's To Do List
7/11/12

--------- Today -------

Email dr note to Menzies

add figure references, some clean up to summer 1 paper

Complete course schedule

--------- This week's plan ------------
W - Sun, complete code and runs of data
Mon - Tues, write bkgrd, experiment, related works, start report graphics
Wed - Fri, data analysis, graphics, conclusions

------ Summer 2 --------------

Offer Dr. Sooter and Dr. Gannett assistance with paper on using heuristics in De Novo DNA
Aptamer Screening, email

Take GRE - July 31

2 papers, 2000 words each, Due:
        July 21 - Biclustering / Subspace Clustering - Binary Ellington

                FP/EM template vs other known binary biclustering algs
                        time
                        performance metrics
                        num clusters
                compare outcomes of FP/EM with diff pruning and overlap
                        column, row, column and row, allow cluster overlap
                run all algs on other dbs, Atrazine, Bromacil, and UCIs for example with
                        Col > Row, or C = R, with col > 50
                prediction with Atrazine, Bromacil
                compare selected/unselected attributes to ranked attributes in earlier papers

        Aug 10 - Tentative - Biclustering numerics - Numeric Ellington
                        see what happens when using Biclustering algorithms that work on
        numeric attributes
                        see if the number of repeats in each sequence effect predictions
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--- other topics ----
Tree learning

Python

---- FALL -----

Poster for WVU Research ppl
        Early Sept
        (matte, ppt, 7-5pt, 2 bucks test print, $30-40 final print, Evansdale library)

Organize monthly CHALK meetings

1 paper per month
        2 lit reviews
                Editorial board for IEEE/ACM Transactions on Computational Biology and
                Bioinformatics

                Computational Techniques in Molecular Biology