~~1) muB (The IBI average) should be 500 ms, and simulations should be from now on 2 seconds.~~

~~2) Fix the synch-indicator.~~

~~3) Add refractory period both the pre- and post-synaptic neurons.~~

~~4) change the passive-parameters of CA3 pyramidal cells according to the paper I sent you.~~

5) Run simulation in which you show **network** responses to the pre-defined bursts (6 high-frequency APs and then another one with larger interval). you can add a raster-plot of post-synaptic neurons in the same graph you showed in slide 7:

~~6) limit AC connectivity to 0.2 - anyway more then that is biologically unlikely.~~

~~7) Fix the histograms of the EPSPs as a function of intervals such that all conditions will have the same scale, both in the y-axis and the x-axis. In addition, add more bins for each histogram. I will believe it will give much more dramatic effects.~~

8) last but maybe most importantly- add a summary graphs for each simulation that includes the following results:

- number of post-synaptic spikes

- synch-index

- total amount of sub-threshold EPSPs - can be made by either taking the integral of the voltage trace of the neurons wherever APs are not occurring, or by summing up all the EPSPs you show in your graphs.