Timeline

1. **Finish with simulations**
   Due: 04.02.15
   - As of 04.01.15 I think I'm done with these... The best method has been figured out and it's just doing it via the circle
2. **Figure out parameterization choices for CS**
   Due: 04.15.15
   - Understand what each parameter does fully
   - Figure out why I'm getting poor results on the CS
   - Likely a good idea to go through the math again – figure out what is happening in the CS code
   - Spend a day or two porting?
   - Reading MINC files in would be easier
   - More understanding around the lab on how it works
   - However, I'm not as proficient in python...
   - **THIS SHOULD BE DONE IN ONE WEEK (giving two to be safe)**
3. **Massage in 3D reconstructions**
   Due: 04.29.15
   - Analyze the 3D wavelet work that can be done in MATLAB
   - Need to understand how the p2DFT and XFM classes work in Lustig's code in order to adapt them to work in 3D
   - Run reconstructions on full data that has been undersampled
   - Keep in mind that the undersampling doesn't occur in the readout direction
4. **Look at different methods of adding in the extra term in the reconstruction**
   Due: 04.29.15 (possibly could be between #2 and #3)
   - Is there anything that can be done to make the reconstruction have this extra term easily?
   - A good form may be $\lambda_3 ||m_j - m_k||_2 (\vec{d_j} \cdot \vec{d_k})^2$