**Thursday: 8 Feb 2018, 11-12 AM, Chris’s office**

**Presents: Jagir, Chris, Hashem:**

**To do list/Questions:**

* Getting some
* How was the impact of adding one more element on the mesh to the optimisation problem? (analysing the result is not )
* What is the best BC on the model? (Many of the stages do not provide good answers with only having 5 elems, applying DM BC.)
* Should I stop working on both meshes? It really makes disturbances, as we run parallel simulations and it is a bit hard to control.

**Issues which are discussed:**

We are actually in a key point of the project, and we need to decide what BC can bring the best answer, and at the same time it is closer to the biological facts we observe. Potential regions are defined as the connection of the DM. This is also hypothesized that DM BC is having a key role on imposing the twisting and making the bending complete.

As we are applying Dirichetle BC, currently there is no easy way to conserve the same set up for the whole process in one stage. We need to fix the type of BC, however solve the model in more number of sub-stages. In each sub-stages we start from the stress-free mesh which has the previously calculated growth rates on them so far.

**Plan for the next week:**

* Solve all the sub-stages with the 8x8 mesh.
* Increase the number of sub-stages to have a more reliable BC, and then we can accumulate the growth rates from the sub-stages to the stages.
* Work on the nodes which you believe that they are falling on the DM BC, and also they belong to the be studied again and applied.
* Solve the fitting problem.