

## **ADC Biostat Core Conference Call Minutes 16 August 2005**

On call: Laurel, Danielle, Qian, John.

Sarah can't be on calls at 10; all of us can be on either at 9 or 11 so we will check both with Phillippa and with the rest of the group about rescheduling to one of those times. We have to make sure the conference call line is available first.

Laurel reports that Mike has updated the executive committee that recruiting is really underway and images are coming in now. We will probably run over into a sixth year because of the delay in getting started, so we have checked on the budget for biostat to make sure we will be able to rearrange as needed. It looks fine.

Danielle updated us on the MRI calls. Paul has a draft of his paper circulating. Norbert wants biostat involvement but they are going to get some more data first and he has no stated timeline. Nick is doing a paper and says it will be at least a month but he has not gotten back to us. He does want biostat. Cliff is doing an overview paper on why we chose the MPRAGE for ADNI but it's not clear how much biostat. Some technical papers are also being written; Mayo is writing one on how they came up with different sequences, and there is one on quality control and how they came up with criteria for failing the QC screen.

John reports that the voxel-based group is focusing on getting things as uniform as possible, but it's hard to stay focused on this and avoid some of the very technical issues. Next meeting will start discussing what we can actually do with the data and plan out some analyses and what we want in the database. One is very simple, not too far from SPM, based on idea of thresholding. You could get at where BBM shows a change but TBM doesn't, and vice versa. From there we could think about more complex models and how to use information. Another strategy would be things like integrating over maps, to give a global summary. The critical question is figuring out our plans to know what is needed in the database.

Danielle and Qian reported that they are working on decomposition paper for the theory on how to develop more informative summaries of the MRI data. They will practice on some data from Charlie. Right now they have the theory very close to worked out and are doing some simulations.

We are going to pick a day in Fall for a gathering at Davis. We will try to get the San Diego people up, too. Meanwhile, John is planning to come up to talk about ongoing research and we are tentatively planning for 18 October.

Our next call is scheduled for 30 August.