



July 22, 2005

Ron Kikinis, M.D.
Department of Radiology
Brigham and Women's Hospital
Kikinis@bwh.harvard.edu

Dear Dr. Kikinis,

The NAMIC Center Team convened and reviewed your year 1 progress report. Multiple members of the NAMIC Center Team were assigned to each core. In general the Center Team was very pleased with the efforts and progress of NAMIC in its first year. The Center Team has found the NAMIC Wiki especially useful for following the progress throughout the year and commends NAMIC for providing this platform for NIH and for other NCBC and NIH users. The Center Team recommended that the year 2 progress report include links from the NAMIC Wiki to enhance the reporting process. The following are the detailed requests for each of the seven components of the NAMIC center.

Core 1: Please provide a table of Core 1 algorithms versus investigating NAMIC sites. This table should help us delineate cross-collaboration between NAMIC sites and the types of imaging modalities covered by each site. This table can be placed on the NAMIC Wiki and should be referenced in the year 2 progress report. The algorithm projects of Core 1 appear loosely connected. On page 115 of your progress report, you state "The standardization efforts in shape analysis will facilitate the development of tools incorporating methods from different NAMIC sites." Please describe further the standardization efforts and your intentions for the outcomes of Core 1.

Core 2: Please provide a table of support tools versus NAMIC sites. This table can be placed on the NAMIC Wiki and should be referenced in the year 2 progress report. Please provide a description of your Slicer licensing efforts and your concerns and questions regarding open source licenses.

Specifically, how does the ISOMICS effort on image formats/translation coordinate with the UCLA efforts and the efforts of the CCB NCBC which has a variety of tasks scheduled on this?

Core 3: Please provide a table of interactions of Core 3 sites with other NAMIC cores. This table can be placed on the NAMIC Wiki and should be referenced in the year 2 progress report. As well, the Center Team requests an electronic version of Table 3.11 and 3.21 on pages 486 and 546 of the original proposal. The Center Team requests a detailed breakdown of the tasks/aims assigned to the four Core 3 sites, and the progress associated with each site.

Specifically, what is the progress the four studies in Core 3 towards driving the computational goals of NAMIC? Please describe further how NAMIC algorithms will help represent genotypes and phenotypes and how genetic, imaging and clinical data will be combined. Please delineate the year 2 goals for Core 3.

Specifically, does NAMIC have interest in single cell measurements of biochemical, genetic regulatory networks related to schizophrenia (e.g. dopamine-related networks)? This would help to link the bottom-up approaches (e.g. Greengard studies) with the top-down or more general approaches in schizophrenia research. It would also help to better explain the genotype-phenotype relationship.

Please provide the animal studies approval details for the animal study mentioned on page 177 of your progress report.

Core 4: No requests were made for Core 4.

Core 5: Please provide a catalog of NAMIC training tools. This table can be placed on the NAMIC Wiki and should be referenced in the year 2 progress report.

Core 6: Please provide a catalog in chronological order of dissemination activities. This table can be placed on the NAMIC Wiki and should be referenced in the year 2 progress report. The Center Team would like to know what kind of collaborations are of interest to NAMIC.

Specifically, does NAMIC have involvement or contacts with the bottom-up, basic science approaches to schizophrenia research (molecular biology and biochemistry, for example the work of Paul Greengard on dopamine)?

Core 7: Please provide a report on the status of the External Advisory Committee.

Please provide the requested information by **Friday July 29, 2005**. Let us know if you have any questions.

Sincerely,

Grace C.Y. Peng, PhD

The NAMIC Center Team

Program Officer: Grace Peng (NIBIB)

Lead Science Officer: Karen Skinner (NIDA)

Science Officers:

Michael Ackerman (NLM)

German Cavellier (NIMH)

Larry Clarke (NCI)

Keyvan Farahani (NCI)

John Haller (NIBIB)

Bret Peterson (NCRP)

Larry Stanford (NIDA)

Terry Yoo (NLM)

C.c. Florence Turska, Grants Management Specialist, NIBIB