



Summary of the MAQC September-22-2005 Teleconference

The MAQC Project: Calibrated RNA Samples, Reference Datasets, and QC Metrics/Thresholds for Microarray Quality Control

Teleconference Date: September 22, 2005 (9am PDT/11am CDT/12pm EDT/16:00 GMT)

Summary Date: September 26, 2005

Author: Leming Shi, FDA/NCTR, +1-870-543-7387, Leming.Shi@fda.hhs.gov

MAQC URL: <http://edkb.fda.gov/MAQC/>

- 1. RNA Sample Processing:** Each platform provider updated the status of RNA sample processing at its test sites. All platform providers expressed confidence in meeting the data submission deadline – September 30, 2005. The test site and its platform provider should contact Leming.Shi@fda.hhs.gov if there is any difficulty in meeting the deadline.
- 2. MAQC Guidance to Data Analysis:** A draft document on *MAQC Guidance to Data Analysis* (v2) that serves as the 5th Appendix of the *Main Study Guidance* was distributed to the whole MAQC group on September 21 and everyone was invited to comment on the document. Each platform provider was given an opportunity to provide its preferred procedures for preprocessing and normalizing data generated with its platform. Whenever possible, the datasets to be distributed to test sites and analysis sites for independent analyses will be processed according to manufacturer's preferred procedures along with the original, non-normalized intensity values (Complete data submission should also include image files that will be made available upon request). All the MAQC data will be handled within ArrayTrack (<http://www.fda.gov/nctr/science/centers/toxicoinformatics/ArrayTrack/>). It was emphasized during the TC that criteria should be agreed upon for defining subset(s) of genes for cross-platform comparison. Specifically, decisions need to be made in handling different probe-target (transcript) relationships. Hence, a teleconference has been scheduled on Sept 27 for platform providers and data analysis sites to discuss probe-transcript mapping. Other interested parties should contact Leming.Shi@fda.hhs.gov for dial-in information.
- 3. December 1-2, 2005 Meeting:** The next face-to-face MAQC project meeting will be held at Crowne Plaza Cabana, Portofino Room (December 1, 2005, 8 a.m. – 5 p.m.) and St. Tropez Room (December 2, 2005, 8 a.m. – 2 p.m.), 4290 El Camino Real, Palo Alto, CA 94306. Telephone: 650-857-0787; FAX: 650-496-1939; Website: <http://www.cppaloalto.crowneplaza.com/>. There will be no registration fee for attending the meeting. However, interested parties should contact Leming Shi (Telephone: 870-543-7387; FAX: 870-543-7686; e-mail: leming.shi@fda.hhs.gov) as soon as possible to confirm their participation since the number of attendees that can be accommodated will be limited. The focus of the meeting will be to review the datasets generated by the MAQC study and to discuss the plan for peer-reviewed publication of manuscripts.

4. **Scoreboard:** As of September 25, FDA/NCTR has received datasets from eight test sites (congratulations and thanks):

AFX_1 (Affymetrix, Chunmei Liu) AFX_2 (FDA/CDER, Karol Thompson)
AFX_3 (Ambion, Mike Wilson) AFX_6 (UCLA, Charles Wang)
AGL_2 (FDA/NCTR, Tucker Paterson) AGL_3 (Icoria, Ed Lobenhofer)
ABI_1 (Applied Biosystems, Lu Zhang) ABI_2 (EPA, Mitch Rosen/David Dix)

The next MAQC Teleconference:

Thursday, October 6, 2005 (9 am PDT / 11 am CDT / 12 pm EDT / 16:00 GMT)

USA Toll Free Number: **888-566-5020**

International caller: +1-210-795-9594

PASSCODE: **79451**