

MAQC Project Meeting

Monday-Tuesday, May 2-3, 2005
FDA Parklawn Building, Chesapeake Room
5600 Fishers Lane, Rockville, Maryland 20857

Teleconference dial-in:

Phone numbers: **888-829-8669**, +1-773-756-0169 (Intl call)

Passcode: **55706**

Day 1: 8:00 AM – 5:00 PM, Monday, May 2, 2005

- 8:00 Welcome (Felix Frueh / Federico Goodsaid)
8:15 MAQC and Other Efforts on Microarray Quality Control and Standardization (Leming Shi)
8:30 Analysis of Datasets from the MAQC Pilot Study (Co-Chairs: Weida Tong and Jacques Retief) (Each site has 10 mins for presentation and 5 mins for discussion.)
- | | <u>Data Analysis Site</u> | <u>Presenter</u> |
|------|---------------------------|------------------|
| 8:30 | Affymetrix: | Jacques Retief |
| 8:45 | Agilent: | Paul Wolber |
| 9:00 | Ambion: | Mike Wilson |
| 9:15 | Applied Biosystems: | Lu Zhang |
| 9:30 | Clontech: | Laurence Lamarca |
| 9:45 | GE Healthcare: | Rich Shippy |
- 10:00 Break
10:20 Illumina: Shawn Baker
10:35 NCTR: Leming Shi
10:50 NIST: Walter Liggett
11:05 Stratagene: Rob Clum
11:20 UMass Boston: Rick Jensen
11:35 Discussion
12:00 Lunch (on your own)
- 1:00 RNA Samples (Co-Chairs: Jim Fuscoe and Paul Wolber)
Decision on the Two RNA Samples
Logistics on the Manufacture and Distribution of RNA Samples
Titration Strategies for Assessing the Quality of Microarrays (Co-Chairs: Uwe Scherf and Paul Wolber)
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|------|--------------|--------------------------------|
| 2:00 | Rich Shippy: | GEHC's RNA-mixing study |
| 2:10 | Shawn Baker: | Illumina's RNA titration study |
| 2:20 | Doug Lane: | ViaLogy's calibration study |
- 2:30 Discussion
3:00 Break
Verification with Independent Platforms (Co-Chairs: Federico Goodsaid and Paul Wolber)
3:20 Lu Zhang: TaqMan (Applied Biosystems)
3:40 Yuling Luo: QuantiGene (Genospectra)
4:00 Discussion
5:00 Close of Day 1

Day 2: 8:00 AM – 12:00 PM, Tuesday, May 3, 2005

- MAQC Main Study (Co-Chairs: Uwe Scherf and Wendell Jones)
- 8:00 Review of Slides Presented at the First MAQC Meeting on February 11, 2005 (Leming Shi)
 - 8:15 Assessing Precision and Reproducibility
 - Number of days
 - Number of replicates
 - Number of test sites per platform
 - Number of arrays per test site
 - Number of arrays to be contributed by each platform provider
 - Quality control parameters
 - 10:00 Break
 - 10:20 Assessing Accuracy (Biases)
 - QRT-PCR
 - QuantiGene
 - Titration
 - Others
 - Timeframe
 - July-August, 2005
 - Rodents
 - 12:00 pm Close of Meeting

The hotels will provide shuttle services to the FDA Parklawn building. Leaves hotel at 7:30 AM.

DoubleTree Rockville

1750 Rockville Pike, Rockville, MD 20852
Phone: 301-468-1100, Fax: 301-468-0163
<http://www.doubletreerockville.com/>

Ramada Inn Rockville

1775 Rockville Pike, Rockville, MD 20852
Phone: 301-881-2300, Fax: 301-881-9047
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The MAQC Project: Microarray Quality Control

