

**Quantitative Imaging Biomarkers Alliance – Radiology Informatics Committee
(QIBA-RIC) Informatics Task Force**

Tuesday, July 12, 2011

12:30pm - 1:30pm (CDT)

SUMMARY

Participants:

Kathy Andriole (Chair)

Rick Avila

Enrique Aviles

David Clunie

Daniel Rubin

Eliot Siegel

Dan Sullivan

Jim Voyvodic

Maureen White

Gudrun Zahlmann

RSNA Staff

Linda Bresolin

Fiona Miller

Joan McMillen

Absent

Andy Buckler

Brad Erickson

1. **Dr. Andriole welcomed participants and introductions were made.** Participants all have experience with one of more of the following groups: QIBA, RIC, Critical Path Institute (CPI), CaBIG Imaging Workspace, RadLex, MIRC, IHE, ACR, CTSA and QIN, amongst others.
2. **Committee Mission / Statement of Purpose:** The proposed draft mission statement was reviewed and it was agreed that the language will need to be further refined over the coming months. In a broader sense, the group will provide informatics expertise and best practices to QIBA

Proposed Mission/Statement of Purpose

- Provide a platform for collaboration between QIBA and RIC
- Optimize synergy between overlapping areas of expertise, interest and activity
- Address the informatics needs of the QIBA-RIC community
- Accelerate advancement of industry tools and standards for generating and managing quantitative imaging information

The purpose of the group could include identifying opportunities for collaboration and development of resources and tools. The initial focus might be to support ongoing QIBA activities, but with subsequent development of pathways, a prototype, acquisition of appropriate funding and proof of concept, implementation could be pursued. It was agreed that in addition to informatics issues, policy development would need to be addressed. Continuing activities in the development of an open data repository could be helpful in the qualification process.

3. **Open Image Archives:** Drs. Sullivan and Zahlman and Mr. Avila provided a brief overview of the history and activities of the Open Image Archive (OIA) Ad Hoc Committee. This group was formed approximately 18 months ago as an outcome of the 2009 Imaging Biomarkers Roundtable, to address the number and quality of image archives. The group has developed a use-case document that will be ready for review by the group in late August, prior to being submitted for publication.

An additional document on the key characteristics/requirements of OIAs is under development. In the framework of the QIBA Technical Committees, this will be beneficial in the support of data collection that is part of many of the groundwork projects. Mr. Avila agreed to circulate the most recent version of these documents to members of the Task Force. A summary of existing archives has been created and will be expanded to include advantages and disadvantages of each. Identifying the challenges that prevent existing archives from being successful is an important step.

4. Challenges/Opportunities:

- Policy issues will likely be the greatest hurdle
- Encouraging data sharing among collaborators is a first step
- CPI experience in developing consortia will be useful
- Increasing prevalence of EHR could provide large amounts of data
- Pursuit of data in clinical systems may be more achievable than clinical trials data, but the quality of the data may be a challenge

Next Steps:

- Mr. Avila will provide the latest versions of the use-case document developed by the OIA Ad Hoc Committee for review and feedback before the next t-con.
- RSNA staff will poll the group for availability for a follow-up conference call in mid-August and an in-person meeting in September
- Recommendations for additional members should be submitted to Dr. Andriole for consideration.