

QIBA fMRI Biomarker Committee (BC) Call

Wednesday, June 14, 2017 at 11 AM CT

Call Summary

In attendance

Jay J. Pillai, MD (Co-Chair)

James Reuss, PhD (Co-Chair)

Christopher Conklin, PhD

Cathy Elsinger, PhD

Andrew Kalnin, MD

Feroze Mohamed, PhD

Nancy Obuchowski, PhD

David Soltysik, PhD

James Voyvodic, PhD

Zhiyue Jerry Wang, PhD

RSNA

Joe Koudelik

Susan Weinmann

Review of Previous Call Summary

- The 6.1.2017 call summary was approved as presented

Announcements

- Introduction of new fMRI BC member, Dr. Christopher Conklin, PhD (Thomas Jefferson University)

fMRI Profile v1.0 draft (All)

- Vote-to-release e-ballot, sent out to seventeen MR CC eligible voters, closed with 10 “Yes” and 0 “No,” thus approving Profile release
- The fMRI Profile v1.0 draft will move to the Public Comment Stage as described on the QIBA Wiki at: http://qibawiki.rsna.org/index.php/Public_Comment_Process
 - Dr. Reuss incorporated comments from fMRI BC members; preparing a PDF Profile draft-for-release to be sent to RSNA staff and posted on the Profiles page of the QIBA Wiki at: <http://qibawiki.rsna.org/index.php/Profiles>
 - An announcement including a link to the Public Comment form will then be sent to the 1,000+ QIBA membership roster and approximately 100 sister association contacts
 - fMRI BC Chairs to send specialized language for a separate announcement to subject matter experts, e.g., ASFNR contacts submitted to RSNA staff & ISMRM Brain Function Study Group members
 - The announcement notes that recipients may forward request-to-review to colleagues who may be interested
 - **Public comment stage is typically 2 – 3 months long**
 - Public comments to be collated and addressed after the close of this stage, but fMRI BC leadership may request status updates throughout the public comment period
 - While content of this Profile has a narrow focus, it is valuable as a first step in standardization in fMRI

Profile 2.0 Language Mapping (Dr. Reuss)

- A few volunteers have stepped up to assist with the literature search for fMRI Profile v2.0; additional volunteers welcome
- Dr. Mohamed to work with his students on obtaining relevant articles for the literature review
- Dr. Pillai mentioned that the reference articles identified will be different for the ASFNR white paper vs. the Profile; both sets will be collected in parallel, and the work from the year 5 QIBA projects will be useful in this regard.

- Those searching for articles should take care when using Boolean operators; “AND” will narrow a search to only articles that contain all of the terms, while “OR” will expand results to articles containing at least one of the term
 - Other groups have consulted a librarian at their academic institution who has specific training and practice in devising and modifying search strategies
 - More information on Boolean operators can be found here: <http://libguides.mit.edu/c.php?g=175963&p=1158594>
- Drs. Pillai and Voyvodic are drafting manuscripts related to their Round-5 groundwork DRO project; Dr. Pillai’s project dealt entirely with reproducibility of language localization and lateralization in brain tumor patients, while Dr. Voyvodic has large datasets for both volunteers and patients.
- Dr. Pillai selected only the two most highly recommended language-mapping paradigms for his Round-5 project based on ASFNR recommendations, i.e., the paradigms that were used in the ASFNR multicenter trial and recommended in the ASFNR white paper; these are also described on the following website: <https://www.asfnr.org/paradigms/>
- The ASFNR white paper (for which Drs. Pillai and Welker are senior authors) is drafted and is with ASFNR leadership for approval before it will be submitted for publication (late August/early September)
- Discussion on tools for storing articles found in literature search (Zotero, Mendeley, etc.)
- To consult other QIBA MR groups regarding recommended literature review approaches

fMRI Bias TF Bi-weekly Time Slot Change

- Due to conflicting call schedules, RNSA Staff to circulate Doodle poll for accommodating timeslot on alternating weeks with fMRI BC

Next calls:

- QIBA fMRI Bias TF call - TBD
- QIBA fMRI Biomarker Committee call – Wednesday, June 28 at 11am CT

RSNA Staff attempt to identify and capture all committee members participating on WebEx calls. However, **if multiple callers join simultaneously or call in without logging on to the WebEx, identification is not possible.** Call participants are welcome to contact RSNA staff at QIBA@RSNA.org if their attendance is not reflected on the call summaries.