

## QIBA fMRI Biomarker Committee (BC) Call

Wednesday, November 14, 2018 at 11 AM CT

### Call Summary

#### In attendance

*Feroze Mohamed, PhD (Co-chair)*

*Jay Pillai, MD (Co-chair)*

*David Soltysik, PhD (Co-chair)*

Cathy Elsinger, PhD

Ping Hou, PhD

Andrew Kalnin, MD

Ho-Ling (Anthony) Liu, PhD

James Voyvodic, PhD

Zhiyue (Jerry) Wang, PhD

#### RSNA staff

Joe Koudelik

Susan Stanfa

#### Review of Previous Call Summary

- The 10.31.2018 call summary was approved as presented

#### QIBA Activities at the 2018 RSNA Annual Meeting

- The fMRI poster was submitted to RSNA staff and printed; it will be shipped to McCormick Place on Nov 15
- All are encouraged to RSVP for the [QIBA Working Meeting](#) on Wednesday, November 28<sup>th</sup>
  - Discussion regarding breakout group rosters, which will be distributed to all BC Co-chairs this week
- All are invited to volunteer for the poster [Meet-the-Expert](#) session times; the Google sign-up Sheet may be accessed at any time to confirm who will present

#### Checklist

- The checklist had been circulated to core fMRI BC members to determine what is feasible in terms of implementation within the guidelines of the fMRI v1.0 Profile
- Responses from six clinical centers were tabulated
- Validation of imaging analysis software suggested to evaluate the precision of various software packages
  - Center-of-Mass Activation (CMA) deemed the measurand to pursue
- Discussion on methods of calculating center-of-mass activation (CMA)
  - RSNA QIBA-approved QA procedure to evaluate clinical scans to be taken into account
  - If not meant to be merely a single instance of validation, ease of performing a continual, routine clinical application to be considered
  - To be determined whether development of a software tool/code for calculating CMA would be worthwhile
    - Anatomical image and activation map needed, as well as a method to distinguish them
    - Additional requirements discussed

#### Next calls:

- QIBA fMRI Biomarker Committee call – Wednesday, December 5, 2018 at 11am CT
    - Will not meet on Nov 28 due to RSNA Annual Meeting
    - New schedule of 1<sup>st</sup> & 3<sup>rd</sup> weeks to go into effect in December
  - QIBA fMRI Bias TF call – Tuesday, December 11, 2018 at 1 PM CT
    - Will not meet on Nov 20 due to Thanksgiving Holiday
    - New schedule of 2<sup>nd</sup> & 4<sup>th</sup> weeks to go into effect in December
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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](mailto:QIBA@RSNA.org) if their attendance is not reflected on the call summaries.