

QIBA fMRI Biomarker Committee (BC) Meeting

Wednesday, March 15, 2023, at 11 a.m. (CT)

Meeting Summary

In attendance

Feroze Mohamed, PhD (Co-chair)

Jay Pillai, MD (Co-chair)

David Soltysik, PhD (Co-chair)

Shruti Agarwal, PhD

Cathy Elsinger, PhD

Andrew Kalnin, MD

Anthony Liu, PhD

James Voyvodic, PhD

Francisco Zamorano, PhD

RSNA staff

Susan Stanfa

Review of Previous Meeting Summary:

- The 03.01.2023 meeting summary was approved as presented

Topics Discussed:

- [Dashboard](#) updates made by Dr. Mohamed
- ROI Identification and Anatomical Registration Sections in Appendix

Next Steps / Action Items:

- Continued discussion on the ROI Identification section in the Appendix
 - This step is required before calculating laterality, identifying clusters and activation map thresholding
 - The procedure involves registering the atlas brain to the patient's brain, as opposed to registering the patient's brain to an atlas brain; the ROIs are bilateral
 - Dr. Voyvodic's identification method will be used, as the Claims are based on his reproducibility data
 - The three-panel figure was reviewed; a fourth panel will be added to show not just anatomy, but the logic of the next step being activation maps
 - Dr. Voyvodic demonstrated the process for registering the atlas brain to a subject's brain
 - The clinical fMRI brain atlas used by Dr. Voyvodic can be downloaded at:
https://hawking.biac.duke.edu/public/Clinical_fMRI/
- The fMRI profile should convince people that fMRI can be reproducible
- There are others who are using the ample approach for research studies, and the challenge is to extend it into the clinical realm
- Appendix sections were reordered to match the sequence of steps in the process
- Next steps following completion of the Profile:
 - Circulation for full BC internal review followed by a vote-to-release for Stage 1: Public Comment
 - MR CC vote-to-release will follow

Next meeting: Wednesday, April 5, 2023, at 11 a.m. CT (1st & 3rd weeks of each month)

Participants are welcome to contact RSNA staff at qiba@rsna.org if their attendance is not reflected in meeting summaries.