

## QIBA fMRI Biomarker Committee (BC) Meeting

Wednesday, November 16, 2022, 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

Nancy Obuchowski, PhD

Judd Storrs, PhD

James Voyvodic, PhD

Francisco Zamorano, PhD

Yuxiang Zhou, PhD, DABR

#### RSNA staff

Susan Stanfa

#### Review of Previous Meeting Summary:

- The 11.02.2022 meeting summary was approved as presented

#### Topics Discussed:

- Latest revisions to the Profile

#### Next Steps / Action Items:

- Appendix A.9: Image Analysis: Review of Dr. Voyvodic's analysis procedures and examples of Laterality Index calculations as well as calculations for locations of activations in clusters to match the methods of his studies that support the reproducibility Claim
- Dr. Voyvodic clarified that cluster analysis is an automated process, however alignment might require some user input
  - The process was summarized as involving two main steps: (1) Normalizing the BOLD activation to set a consistent threshold and (2) counting voxels
- Suggestion to include link to website where users can download the atlas and the necessary software to generate the maps, so users do not need to recreate algorithms
- Dr. Voyvodic is in the process of re-analyzing the data from his language-mapping study
- Discussion on Fig 1 in Section 1.1 Clinical Context: mapping the primary language areas for use in planning and guiding brain surgery or radiation treatment
  - Decision made to maintain focus on reproducible data in only the critical language areas in this first iteration of the Profile; supplemental language areas may be included in a future version
- **Dr. Pillai to add content to Appendix B: Biomarker Usage**
- **Dr. Storrs will complete the A.9: Image Analysis subsections based on fMRI BC feedback**
- **The first Profile draft deadline was extended to January 1, 2023**
  - **It will then be circulated for BC review and a vote-to-release for Stage 1: Public Comment**
  - **MR CC vote-to-release will follow**

**Next meeting:** Wednesday, December 7, 2022, at 11 a.m. CT (1<sup>st</sup> & 3<sup>rd</sup> weeks of each month)

**Join Zoom Meeting:** <https://rsna-org.zoom.us/j/87552084926?pwd=eU9MWGV6a3JWRHlkZ0wzdEZsK3JoQT09>

Meeting ID: 875 5208 4926 | Passcode: fMRI

---

RSNA Staff attempt to capture all committee members participating in Zoom meetings. However, if attendees join only by phone, or do not use a recognizable name, identification is not possible. Participants are welcome to contact RSNA staff at [qiba@rsna.org](mailto:qiba@rsna.org) if their attendance is not reflected in meeting summaries.