

## QIBA Perfusion, Diffusion and Flow – MRI Biomarker Committee (BC) Update Call

Wednesday, October 14 at 11 AM (CT)

Call Summary

### Participants

Michael Boss, PhD (Co-Chair)

Alexander Guimaraes, MD, PhD

Krishna Nayak, PhD

### RSNA

Joe Koudelik

Mark Rosen, MD, PhD (Co-Chair)

Wei Huang, PhD

Nancy Obuchowski, PhD

Susan Weinmann

Rajpaul Attariwala, MD, PhD

Edward Jackson, PhD

David Purdy, PhD

David Bennett, PhD

Daniel Krainak, PhD

Encarna Sánchez, MSBE

Joseph Borrello

Hendrik Laue, PhD

Ying Tang, PhD

Thomas Chenevert, PhD

Jiachao Liang, PhD

Brian Taylor, PhD

Bradley Erickson, MD, PhD

Dariya Malyarenko, PhD

Xiangzhi Zhou, PhD

John Garber, MBA

Elizabeth Mirowski, PhD

Yuxiang Zhou, PhD

Daniel Gembris, PhD

*Moderator: Dr. Boss*

### RSNA Annual Meeting Poster Updates

- The aspect ratio was changed, freeing up white space and room for more images
- Text was divided into two columns for readability
- Synopsis of all Round 4 projects to be included, may move Dr. Barboriak's Round 4 DRO project to DRO-focused poster
- There was discussion on including section text about the ongoing ACRIN trial; Dr. Rosen to submit material
- Round 5 projects will be indicated as "planned," as individual project subcontracts have not yet been awarded
- Synopsis of all Round 5 projects to be included; text already received from Dr. Malyarenko (DWI DRO project) and Dr. Wu (DSC susceptibility phantom project)
- Revised text for Accomplishments and Summaries sections is still needed, placeholder text on poster drafts
- PDF-MRI BC members were asked to review the author list on the MR poster and to send missing names to Dr. Boss at: [michael.boss@nist.gov](mailto:michael.boss@nist.gov)
- A potential DRO poster was discussed
  - This poster will likely be MR-focused, rather than cross-modality
  - Dr. Boss will create framework for this poster and then distribute it for group feedback

### DWI Phantom Update (Dr. Boss)

- Dr. Boss aims to have all NMR spectrometer equipment assembled and initial NMR diffusion measurements completed by the 2015 RSNA Annual Meeting
- There have been challenges in keeping the temperature stabilized at 0°C in the NMR magnet bore
- Testing for variance across PVP batches (PVP9 vs PVP 10) is expected by next call

### Other Discussion

- As part of the Profile writing process, it is necessary to investigate variance between software packages, and vendor scanner models; Profile appendices will include performance specifications
- Dr. Jackson devised a guide for GE on how to efficiently construct a protocol
- Dr. Chenevert took the lead on Philips and will circulate information to contributors
- A status update on the Vendor Subcommittee will be provided by Dr. Kirsch on a future call

**Next PDF-MRI Biomarker Committee Call:** October 28 at 11 AM CT [Dr. Boss to moderate]