

QIBA Dynamic Susceptibility Contrast (DSC) Biomarker Committee (BC) Call

Wednesday, March 13, 2019 at 11 AM (CT)

Call Summary

Participants

Bradley Erickson, MD, PhD (Co-Chair)
Michael Boss, PhD

Nancy Obuchowski, PhD
Deqiang Qiu, PhD

Chad Quarles, PhD
Kathleen Schmainda, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Erickson

QIBA Sustainability Implementation Group (SIG) Letter to Pharma

- Led by Dr. Zahlmann, the SIG has drafted a letter for Pharma and imaging CROs requesting funding for groundwork projects
- Half-page proposals for groundwork to advance the Profiles are encouraged
- Since all groundwork proposals will be reviewed during the Q2 CC calls at the end of April, descriptions must be submitted to MR CC Co-Chairs **by Monday, April 15**.
- Questions may be sent to MR CC leaders and Dr. Zahlmann.

Proposal ideas

- Dr. Quarles discussed an idea related to his Digital Reference Object (DRO)
 - He is interested in using the DRO as a benchmark for sites to evaluate their post-processing tools and to check for consistent, highly accurate data
 - This idea would support open-source software solutions
 - Acting as a benchmark, the DRO could test for consistency of algorithm output
 - This is important, as there are many post-processing steps that add variability
 - Dr. Quarles to follow up with Dr. Wu regarding his proposal
- Another idea discussed was increasing the distribution of the physical phantom that was developed by Dr. Wu in conjunction with NIST
 - Currently, this phantom is not widely available
 - Making it more available would aid with its distribution and use of the Profile, providing vital data needed for the Profile to advance
 - Dr. Qiu, new to the BC, is very interested in phantom distribution
 - A consistent phantom with longitudinal stability is needed

DSC Profile Update

- [Profile available to all DSC BC members through Google Drive](#) (Google Chrome browser recommended)
- Dr. Boss encouraged Drs. Erickson and Wu to move forward toward public comment
- Public comment and comment resolution could require 9 – 12 months or more
- Moving toward public comment in parallel with a phantom project would be prudent, since the phantom would ultimately help to develop the Profile
- Dr. Boss provided an overview of how the public comment process works and re-iterated that the Profile will always be changing so release of an imperfect Profile is better than not releasing one at all
- To address comments that are yet unresolved, creation of an “open issues” section is helpful
- A Profile in public comment should not have any track edits or margin comments; those need to be removed
- The goal for Profile completion (pre public comment) is the QIBA Annual Meeting, mid-June

Next DSC BC Call: Wednesday, April 10, 2019 at 11 AM CT

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