



**PULSE-ECHO QUANTITATIVE ULTRASOUND  
BIOMARKER COMMITTEE**

*Agenda for Friday, October 2, 2020  
11:00am – 12:00pm*

Attendees: Ivan Miguel Rosado-Mendez (Co-Chair), Anthony Samir (Co-Chair), Michael Wang, (Co-Chair), Michelle Alexander, Stephane Audiere, Cristel Baiu, Jeffrey Bamber, Paul L. Carson, Anil Chauhan, Guy Cloutier, Ahmed El Kaffas, Raul Esquivel, Giovanna Ferraioli, David Fetzer, J. Brian Fowlkes, Jing Gao, Joel Gay, Aiguo Han, Jean-Pierre Henry, Viksit Kumar, Roberto Lavarello, Amy M. Lex, Ravi Manguli, Stephen McAleavey, Andy Milkowski, Yoshitaka Mine, Marie Muller, Kibo Nam, Gary Ng, Soufiane Ouhda, Arinc Ozturk, Theodore Pierce, Beth Rogozinski, Stephen Rosenzweig, Jonathan Rubin, Hersh Sagreiya, Laurent Sandrin, Arun Sanyal, Paul Sidhu, Timothy Stiles, Kai Thomenius, Michael Thornton, Theresa Tuthill, Xiaohong Wang, Keith Wear, Nancy Obuchowski, Daniel Sullivan,

AIUM Staff: Kelly Phillips

AS: Anthony Samir

IRM: Ivan Rosado-Mendez

MW: Michael Wang

TOPIC	COMMENTS	ACTION ITEMS
Introduction	Welcome (IRM)	
Work Groups	Work groups progress reports <ul style="list-style-type: none"> <li>• Attenuation WG (VK, AO, RB)</li> <li>• Backscatter WG (AH, RL, TT)</li> <li>• Sound Speed WG (SR, TP)</li> <li>• Phantom WG (TS, DF)</li> </ul>	

QIBA Annual Meeting	Summary of QIBA Annual Meeting (IRM)	<ul style="list-style-type: none"> <li>• Post on Basecamp</li> </ul>
Groundwork Study	Participation Spreadsheet	<ul style="list-style-type: none"> <li>• Survey on Basecamp</li> </ul>
Funding Opportunities	Discussion (MW)	
Discussion/Comments	Open Discussion	
NEXT CALL	Date: November 6, 2020 Time: 11:00am, EST	

### Work Group Progress Reports

- Attenuation WG – conducting literature search; vendor questionnaire, overall response was that all vendors agreed to participate
  - MW – Suggest using a set of key words or search terms in the literature search
  - IRM – QIBA Annual Meeting – encourage publication of the work that the biomarker committees are doing, including the results from the literature search; be able to report the search words used and mechanism in which the search was conducted; work groups should keep track of their search criteria
- Backscatter WG – Literature search has begun; plan to interact with Attenuation WG via a subgroup on total attenuation
  - AH – generating a publication after the review - should we expand the review scope?
    - RL – look at a broader subject area to make it more relevant
    - AS – Academic component – review can be inclusive; Also consider the QIBA PEQUS tasks – not academic, pragmatic
    - IRM – emphasis at annual meeting on generating profiles that are simple and user friendly; generating a publication of the discussion on alternative backscatter methods could be better than including it in the profile
    - MW – careful about including techniques that are relevant in the profile – has to be something that is on the pathway to commercial implementation

- BF – Everything doesn't need to be included in the first profile, but others are also important and we should understand where they are in development
- PC – If not possible to unify, measurement needs to be given a different name; Clinical need – standardization as well as innovation – find a balance
- KW – Phantom group could also manufacture some standardized calibration reference phantoms along with the test phantoms
  - TS – Phantom group is considering this
- IRM – Good to know the approach/strategy followed to quantify backscatter coefficient
- VK – send out question to vendors
- IRM – each WG could identify what is needed from the vendors
- Sound Speed WG – forming literature review groups and literature assessment tool; industry survey
  - PC – use of contrast agents
- Phantom WG – narrowed down to five different boxes; need for validation of values – interlaboratory comparison

#### **Groundwork Study Participation**

- IRM – post a survey on Basecamp
  - Calibration of phantoms

#### **Funding Opportunities**

- MW – NCI soliciting applications for SBIR contracts for 2021; deadline for proposals is 10/26
  - Keep an eye on for the future
    - CB - Next deadline is January – more realistic