

Global Biomarkers Standardization Consortium (GBSC)

Methods Subgroup Teleconference Agenda

December 19, 2013

Time: 10:30 am ET/9:30 am CT/7:30 am PT/4:30 pm Sweden/Germany

Co-Chairs: Holly Soares, Henrik Zetterberg, Kaj Blennow, Piotr Lewczuk

Facilitator: Maria Carrillo, Alzheimer's Association

Attendees:

Maria Carrillo	Michael Melard	Omar Laterza
Bob Umek	Manu Vandijck	Kaj Blennow
Andreas Jeromin	Mary Savage	Bob Dean
Dean Hartley	Erin Chambers	Holly Soares
Julia Kuhlmann – IRMM	Corinth Auld	John Lawson
Heather Snyder	Henrik Zetterberg	Les Shaw
Meredith McNeil	Rand Jenkins	

1. Update of progress each lab has made in the development of the 'substitute' or 'surrogate' matrix

a. Rat plasma based

Erin Chambers reported there are no updates as they wait for next round to start.

b. hCSF based

Henrik Zetterberg reported similar status.

c. BSA & HSA based

Rand Jenkins reported similar status.

d. BSA based surrogate and analytical measures

Les Shaw reported update on the protocol development and validation of this assay. Attached PDF document. There was some discussion around the intra-laboratory variability and impact of lab items like shakers.

2. Update on the Alz Association CSF QC program

Kaj Blennow reported that the CSF QC program is in the process of sending out samples for round 13. This will continue through 2014. The team has been working on a review of the activity and the participating laboratories. In addition, the team has worked to improve the inclusion of the internal controls. There was some discussion around the possibility of transitioning from "free" to "charge for samples". Another idea is to expand the CSF QC program to a standardization

assay across North American / Global and may help transition from the initial passive sharing of samples to an active training program for laboratories. There may be a way to query what laboratories may participate.

Henrik suggested having a follow up in depth discussion around this idea on a future idea. Train the trainers by the company so they are aware of how to optimize on the platform.

3. Update on the GBSC Round Robin program

Kaj Blennow and Les Shaw provided update. There is a common calibrator for AB42 (peptide based). This is shared by the different laboratories and developed by IRMM. Value of matrix reference material will be procedure dependent and then will outline what procedure you can use the matrix reference material. The idea is to use the matrix material for the established methods and then to determine other commutable methods. Once they have the information and materials, and then will know what to look into further.

4. Update on the IFCC workgroup

Henrik Zetterberg provided an update on the IFCC workgroup. We are slightly behind on the planned schedule and started work on developing a second commutability study. This is open for other laboratories however the timing is needed to know now. They are planning the sample volume. The reference material is a CSF sample where we spike in AB42 to achieve the high end range. There is an emphasis on different volumes. Henrik will be sending an update out to the different laboratories that are involved.

5. NEXT MEETING will include an update on studies between lab for variability and consistency. 7