

Global Biomarkers Standardization Consortium (GBSC)

Webinar Minutes

October 13, 2017

Time: 10:00 am ET / 9:00 am CT / 7:00 am PT / 3:00 pm Europe

Co-Chairs: Henrik Zetterberg, Kaj Blennow, Charlotte Teunissen

Facilitator: Jim Hendrix, Alzheimer's Association

Welcome/Introduction - Jim Hendrix

Jim Hendrix welcomed all participants to the meeting and reviewed the agenda.

Update A β ₁₋₄₂ Certified Reference Material – Henrik Zetterberg & Ingrid Zegers

Ingrid reported that the CRM is still in the documentation stage. The external review has been finalized but there is still some internal review and work to be completed. Specifically, some additional peptides are present in the material used for the value assignments which may require the final value for A β ₁₋₄₂ to be adjusted to a slightly lower value. Some final measure measurements are on-going. Ingrid hopes that the release will come in the next couple of months but is reluctant to predict an exact date. Ingrid will inform the Alzheimer's Association and the vendors when the material's imminent release is coming.

The problematic peptides don't cross react but they will cause an adjustment in the value assignment for the concentration of the A β ₁₋₄₂ will be slightly lower. The IFCC has given LC/MS labs a tentative value as the calibrator and will use this to compare results.

Proposal for a Working Group to utilize the A β ₁₋₄₂ CRM for re-calibration of instruments – Britta Brix

With the pending release of the CRM, it would be useful for the GBSC to form a working group that includes vendors of CSF platforms in order to recalibrate assays in order to develop universal cut-off values.

Questions around the proper treatment of the calibrator could be discussed such as dilution and the types of tubes to be used. Clear instructions on the use of the CRM are needed and may be supplied by the IFCC.

After the vendors perform their recalibration, a round robin study could be useful.

The Work Group could help to organize this effort.

The PPSB (Public Private Scientific Board) Biofluids Biomarkers group for ADNI has a list of vendors and could be helpful in reaching key players. Jim Hendrix will reach out to the PPSB.

The first Work Group meeting will be held at CTAD by extending the CSF Pre-Analytical meeting that is already scheduled for November 3 at 7 am ET in Boston. Jim will organize this meeting.

Next Meeting:
TBD, Spring 2018