

Global Biomarkers Standardization Consortium (GBSC)

Webinar Minutes

October 31, 2016

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. Jim shared with the group that there has been positive feedback on the GBSC-led Fluid Biomarkers Workshop at AAIC 2016 and there are plans to offer the workshop again at AAIC 2017 in London.

Update from IFCC WG CSF Meeting in Brussels on Oct. 11 – Henrik Zetterberg

Henrik discussed updates from the meeting in Brussels focused on the plans and progress made towards developing reference materials and methods for Tau and A β -40. For methods, the plan is to first explore mass spectrometry but immunoassays will also be considered. There are already 2 reference methods formally accepted by the JCTML for A β -42 that could be used to expedite approval of methods for A β -40. For materials, it may be possible to make use of the samples used for A β -42 commutability studies. Initial results show that using these samples for tau (total tau) worked well. For A β -40, it is not yet known if the reference materials produced at low, medium and high concentrations of A β -42 will also work for A β -40, or if the samples will need to be diluted to attain the appropriate range. It also needs to be determined if spiked samples would work for A β -40 (even though they did not for A β -42) as this may be the easiest way to move forward.

It was suggested that Joseph Pannee provide an update for the group during the next GBSC teleconference (early 2017) on progress to-date, new data on the availability and stability of the materials and status of the manuscript in development for JCTLM.

Plans for A β -40 and Tau: Reference Measurement Procedures (RMPs) and Certified Reference Material (CRM) - Charlotte Teunissen

Charlotte noted that Henrik's update and subsequent discussion covered much of what she planned to share. Her slides included a link to a recent publication from

Pannee et al. [Reference measurement procedure for CSF Abeta1-42 and the CSF Abeta1-42 /Abeta1-40 ratio - a cross-validation study against Amyloid PET](#) (J Neurochem. 2016 Aug 31. doi: 10.1111/jnc.13838)

It was noted that there is currently no dedicated funding to support the development of new reference materials - A β -40, Tau, p-Tau, etc. The potential for funding support from the Alzheimer's Association was suggested and Jim noted that he will look into this possibility.

Update on status of Fluid Biomarker PIA

Sid O'Bryant is the chair of the Fluid Biomarker PIA and there are plans to expand the focus to include all fluids (e.g. CSF, blood, urine, saliva). The formal acceptance of the PIA is in process but no issues are expected.

Future Meetings

The next meeting will be scheduled as a teleconference in Jan/Feb 2017. The next Face-To-Face meeting will be scheduled for July 2017 prior to AAIC in London.