

## Global Biomarkers Standardization Consortium (GBSC)

### Methods Subgroup Teleconference Agenda

Tuesday, June 26, 2012

Time: 11:00am EST/10:00amCST/8:00am PST/5:00pm Sweden

**Facilitator:** Maria Carrillo, Alzheimer's Association; Les Shaw, Erin

1. Overview discussion of the GBSC SRM/MS/MS candidate reference method development, **Les** leads this:
  - a. How best to proceed to develop and qualify the candidate reference method
  - b. Transparency working together is an essential ingredient of what we are doing
2. Discussion of progress each lab has made in the development of the 'substitute' or 'surrogate' matrix. There are several "flavors" we have been testing, including the original rat plasma based surrogate matrix; a bovine serum albumin based surrogate matrix; a human serum albumin based surrogate matrix, and if I understand this correctly, a human CSF based matrix. So coming to a better understanding of our progress to date on the surrogate matrix is essential. In addition, it appears that we have some differences in philosophy regarding numbers of calibrators we are using and so worthwhile to review this point as well:
  - a. Reviews of each lab's effort on development of surrogate matrix.
    - i. Rat plasma based—**Erin** is discussant
    - ii. BSA & HSA based—**Rand** is discussant
    - iii. hCSF based—**Henrik/Erik** is discussant
    - iv. Analytical parameter evaluations, eg, Calibrator concentration range; replications of calibrator performance; LLOQ determination; spike recovery in human CSF samples; reproducibility for CSF pools at several concentration levels--**Les** is discussant
  - b. Reviews of other critical details—well summarized in the table provided by Rand and in our Excel summary file—will be discussed at follow up webinars and in Vancouver on the 14<sup>th</sup> of July at the GBSC meeting.
3. Discuss the possibility of a preliminary round robin for our 4 laboratories that would include use of a common, agreed on Abeta1-42 standard, and internal standard, and aliquots of CSF samples.

**WebEx and dial-in information will be sent in a separate email, as well as in the meeting notice.**