

## Biofluid Based Biomarkers PIA Business Meeting Summary

**Location:** ExCel London (Platinum Suite 4)

**Date:** Saturday, July 15, 2017

**Time:** 11 a.m. - 12 p.m.

**PIA Chair(s)/Meeting  
Facilitator(s):** Sid O'Bryant

### Topics discussed:

1. Overview of new structure of the PIA and expansion.
2. Overview of new members of the EC of the expanded PIA
3. Discussion of the accomplishments of the PIA since establishment as a Blood Based Biomarker PIA

### New Projects Discussed

1. Whitepaper on Preanalytic processing standards/guidelines for saliva biomarkers in AD. – this working group is coming together
2. Data driven study for reference ranges for some of the commonly examined blood-based biomarkers in the AD space. Perhaps combine data across studies. Inflammatory biomarkers were listed as one example that would be very useful for the field.
3. Whitepaper on data analytics and statistical issues (e.g. power) in blood-based biomarkers in AD. To cover topics such as the pros and cons of the advanced bioinformatics modeling (e.g. RF, SVM, deep learning, and other AI-based methods), regulatory considerations around using these advanced bioinformatics methods for biomarkers of AD, statistical power and sample size considerations. Was suggested that using an actual database to illustrate these considerations would be of tremendous value.
4. Discussion of the context of use (COUs) most needed in the AD space for biofluid biomarkers. Additionally, how to appropriately design studies to fully examine the putative biomarkers within the specific COU.