

ASMS Exposomics Interest Group

Workshop Report 2018

This year's workshop was attended by approximately 35 scientists (which was likely impacted by the Environmental Interest Group being scheduled for the same time and day, this will hopefully be resolved and not occur again at the next ASMS meeting). The workshop focused on both targeted and untargeted exposomics to highlight how exposomics deals with both real patients on a one by one basis as well as big data and can be high throughput.

Dr. Jarod Grossman, from Agilent Technologies was announced as the incoming chair to replace Dr. Skip Kingston. Both Skip and Jarod gave a 10-15-minute presentation to direct group discussion for the remaining 30 minutes. Their topics were: "Targeted measurement studies accumulating as evidence of significant influence of exposure and effect on wellness" (Skip Kingston), where Skip highlighted advances and interesting topics in targeted exposomics and "Big Data Exposomics" (Jarod Grossman), where Jarod highlighted tools, databases, and software available to help with high throughput nontargeted techniques as well as went over the importance of workflows in nontargeted work.

We also reminded the attendants to subscribe to the interest groups (via ASMS webpage) and how to get involved in the forums.

Following the workshop, several attendees continued lively discussions.

Next year we hope to bring in more experts in big data and genomics for a panel to create more lively discussion and help researchers further their understanding of the overarching exposome theme.

We also hope to be able to plan an interest group dinner for those interested in continuing discussions into the night.

We will also be bringing in a new Co-Chair, Dr. Silvia Balbo, from the University of Minnesota.

If you have any suggestions for next years' workshop, either topics or speakers please send them to Jarod Grossman (jarod.grossman@agilent.com) and Silvia Balbo (balbo006@umn.edu).