The Biomarkers European Special Interest Group: Where are we now?



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...on behalf of the Biomarkers European Special Interest Group (ESIG)

"A biomarker is a defined characteristic that is measured as an indicator of normal biological processes, pathogenic processes, or biological responses to an exposure or intervention, including therapeutic interventions." *Biomarkers, EndpointS, and other Tools, FDA – NIH, 2016*

Biomarkers-based

Machine Learning for

Biomarker

designs

Methodology and experience sharing – enrichment, cut-off detection, decision making

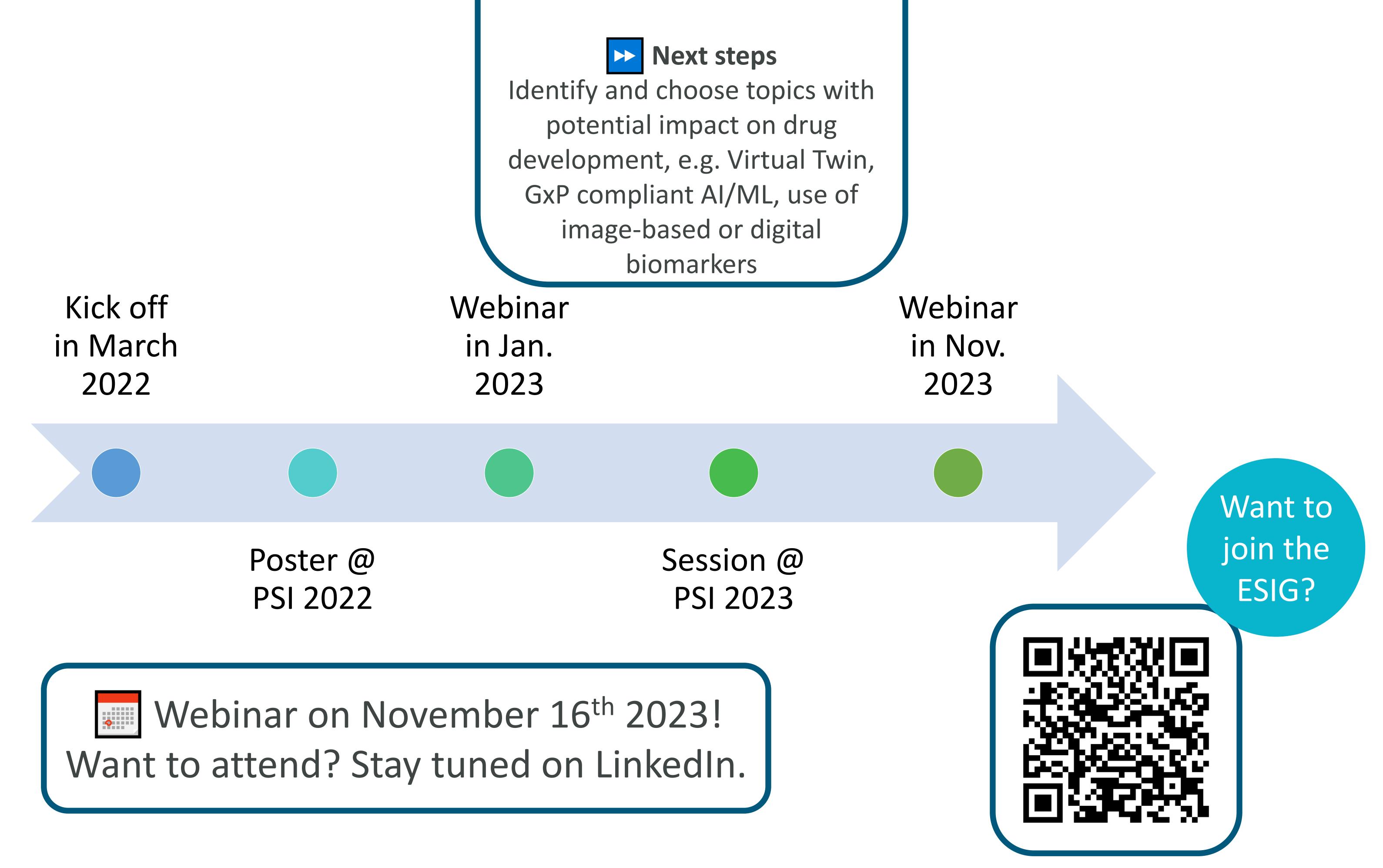
Hosted a webinar and gave a presentation at PSI in 2023!

Biomarker Analysis

Goal

Create a best practices guidance on the use of AI/ML with biomarkers in clinical development

Achievements Review and feedback to FDA's discussion paper¹ on usage of AI/ML in drug development



data catalogue

Identification of publicly-available datasets to create a data repository

20+ datasets in data repo!

The Biomarkers ESIG is sponsored by PSI and the European Federation of Statisticians in Pharmaceutical Industry. The Biomarkers ESIG was revived in 2022 by Nicole Krämer & Guillaume Desachy.

¹Using Artificial Intelligence & Machine Learning in the Development of Drug and Biological Products, FDA, 2023 ; https://www.fda.gov/media/167973/download