

46. Tobacco product analysis and public health implication

Friday, 20 March 2015, 16:00 - 17:30



Type Symposium

Track New emerging products and challenges, issues and strategies

Topic Other

Description Tobacco use causes extensive, preventable disease and death. Among the thousands of compounds generated in cigarette smoke, at least 250 are harmful to human health. Despite adverse health effects, 80,000 to 100,000 people a day start smoking worldwide. Approximately 10 million cigarettes are purchased per minute. This session will focus on the analysis of harmful constituents in tobacco products, exposure biomarker assessment on the population level, the role of product science in informing international policy, and FDA effort on regulatory science.

Target audience Tobacco product scientists; Exposure and/or biomonitoring scientists; Tobacco control policy maker; Tobacco regulator; Public health scientists; Toxicologists.

Objectives

1. Demonstrate the variety of harmful constituents in tobacco products and the diversity of tobacco product analyses
2. Demonstrate the impact of tobacco use on exposures to harmful chemicals
3. Help the audience understand the role of product science in informing international policy
4. Help the audience understand the U.S. FDA efforts related to regulatory science

Keywords Tobacco product analysis; Harmful and potential harmful constituents; Tobacco exposure biomarkers; Cigarette descriptor; Regulatory science; Product science

Coordinator(s) Yan Ding (USA)

Chair(s) Yan Ding (USA), Clifford Watson (USA)

Presentations

[16:00 - 16:10»](#) Speciation of metals in smoke: Implications for health and tobacco product regulation
Ed Stephens (UK)

[16:15 - 16:25»](#) Chemical Analysis of Carbonyl Compounds in cigarette mainstream smoke
Yan Ding (USA)

[16:30 - 16:40»](#) Apply tobacco exposure biomarker program in two US national surveys for tobacco and public health
Lanqing Wang (USA)

[16:45 - 16:55»](#) Application of regulatory science in the US to reducing the adverse impact of tobacco products on public health
David Ashley (USA)

[17:00 - 17:10»](#) The role of product science in informing international policy: Implications for FCTC Articles 9 and 10
David Hammond (Canada)

[17:15 - 17:30»](#) Discussion