



Advanced Data Analysis

Educational Objective: At the end of this course, participants will be able to understand the key components of flow cytometry data analysis. This includes proper compensation, identifying and utilizing the best controls, developing an analysis workflow and extracting data for statistical hypothesis testing.

Target Audience: Those researchers with experience in flow cytometry seeking to improve their data analysis technique, while gaining a better understanding of statistical hypothesis testing with flow cytometry data.

Outline

- 09:00-10:30 **Controls and Compensation** – the lifeblood of flow cytometry analysis
- 10:30-10:45 Coffee Break
- 10:45-12:00 **Practical multicolor analysis I** - Five color compensation and data analysis
- 12:00-13:00 Lunch
- 13:00-14:00 **Statistical Analysis of Flow Data** - applying statistics for flow based questions
- 14:00-15:15 **Practical multicolor analysis II** – 11 color compensation and data analysis
- 15:15-15:30 Coffee Break
- 15:30-16:15 **Rare Event Analysis** – overcoming difficulties of small target events
- 16:15-17:00 **Practical multicolor analysis III** – identifying experimental problems with data