



UC DAVIS

West Coast Metabolomics Center

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International Sessions in Metabolomics and Exposome Studies 2024

Mastering Metabolomics: How to Generate and Validate Chemical Data on Foods, Blood, and Organs in Complex Studies

Date: Aug 19 - 29, 2024 | **Location:** UC Davis Genome Center (Davis, CA)

Course Schedule!

Come and join our summer courses to learn with the experts in the most comprehensive metabolomics course in North America!

Day 1: Prospects and choices in large-scale untargeted analyses

Day 2: Measuring the Metabolome: Study Design & Quality Control

Day 3-4: LC-MS raw data processing for untargeted analyses

Day 5: Confidence in compound identification in metabolomics, lipidomics & exposome analyses

Day 6: Electives, choose from 4 new electives that'll cover hands-on lab portion to data processing

Day 7: Chemical identifiers to map data against compound databases & pathways

Day 8-9: Statistics for untargeted metabolomics analyses

Day 10: Use what you have learned: assessing metabolomics reports



Why I should attend?

- To have a **comprehensive understanding** of complex datasets.
- To learn how to **generate & validate high-quality data**.
- Develop **critical evaluation skills** to trust your data.
- To learn how to **avoid costly mistakes** when implementing metabolomics studies.
- **Enhance communication skills** within the metabolomics community, whether collaborating with data providers or statisticians.

New Additions!

- **New exercises & lectures** focused not only metabolomics, but lipidomics and exposomics!
- Different datasets (**food, exposome, and lipidomics**) for your hands-on learning experience!
- **Full day of electives**, select electives tailored to your interests to get more in-depth learning including hands-on experience for 16 different mass spectrometers.
- **Private Consultations:** Get personalized advice and recommendations.
- Extend your trip to **work on your data!**

• 'Lunch & Learn' with



Agilent



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