

LIPID MAPS LIPIDOMICS WORKSHOP

Saturday, April 28, 2007

8:00 Welcome and overview of the Lipid Maps Consortium and world-wide lipidomics initiatives. **Edward Dennis**



8:15 Analytical technologies panel. **Al Merrill, Moderator**

8:20 Brief introduction to lipid analysis by mass spectrometry and challenges, as illustrated with neutral and phospho-glycerolipids.

Robert Murphy

9:10 Sphingolipids (and precursor fatty acyl-CoA's).

M. Cameron Sullards

9:35 Sterols.

Jeffrey McDonald

10:00 Coffee break

10:15 Eicosanoids.

Rick Harkewicz

10:40 Novel lipid analysis.

Teresa Garrett

11:05 Internal standards for lipidomic analysis.

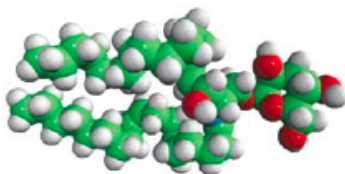
Walt Shaw

11:30 Data handling and bioinformatics, pathway visualization & interpretation.

Eoin Fahy

11:55 Close of general session, follow-up open discussions over snacks

1:00 End of session



Support for this workshop has been provided by the American Society for Nutrition, the LIPID MAPS Glue grant (NIH U54 GM069338), Avanti Polar Lipids, Advion Biosystems and Applied Biosystems.

www.lipidmaps.org

Thank you:

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Ed Dennis, PI

Jean Chen, NIH Program Director

Avanti Polar Lipids

Advion

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Georgia Tech

Rebecca Lee

SphingoLab Team

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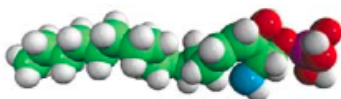
Joanne Lupton

Anne Meyers

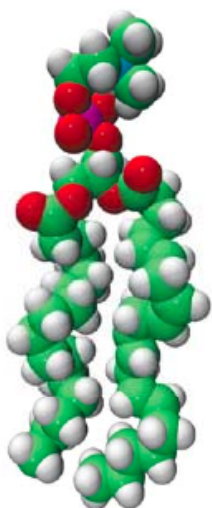
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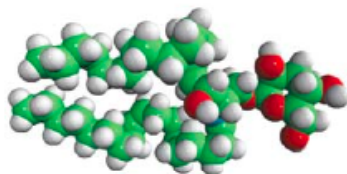
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Other LIPID MAPS Lipidomics Workshops in 2007

Keystone Conference: Bioactive Lipids in the Lipidomics Era
Feb. 20-25, 2007

This was not a full workshop but a discussion of lipidomics goals and analytical issues.

Outcome: Recommendation that LIPID MAPS coordinate a discussion of standards for lipidomics.

“Standards” being broadly defined as nomenclature, some aspects of methodologies (criteria for structural identification/quantitation; internal standards), criteria for journals to use in publishing lipidomics findings, how to archive data, etc.