



michigan regional comprehensive
metabolomics resource core

Metabolomics Summer Workshop

June 25, 2013

8:00 – 8:30	Registration
8:30 – 9:15	Introduction to Metabolomics (<i>Subramaniam Pennathur</i>)
9:15 – 9:45	Study Design and Sample Collection (<i>Anna Matthew</i>)
9:45 – 10:15	Sample Preparation and Techniques (<i>Li Zhang</i>)
10:15 – 10:30	Break
10:30 – 11:00	Submitting Your Samples (<i>Stephen Brown</i>)
11:00 – 12:00	Hardware and Techniques (<i>Charles Evans</i>)
12:00 – 1:00	Lunch
1:00 – 1:30	NMR (<i>Ayyalusamy Ramamoorthy</i>)
1:30 – 2:15	Data Processing (<i>Tanu Soni</i>)
2:15 – 4:30	Demonstrations <ul style="list-style-type: none">○ Sample Preparation (<i>Li Zhang and Stephen Brown</i>)○ Instruments (<i>Charles Evans and Chunhai Ruan</i>)

June 26, 2013

8:00 – 8:30	Check-in
8:30 – 9:15	Statistical Analysis (<i>Kerby Shedden</i>)
9:15 – 10:15	Bioinformatics Analysis (<i>Alla Karnovsky</i>)
10:15 – 10:30	Break
10:30 – 11:30	Case Presentation (<i>Chuck Burant</i>)
11:30 – 1:00	Lunch
1:00 – 3:00	<ul style="list-style-type: none">• Software Demonstrations<ul style="list-style-type: none">○ Metscape (<i>Alla Karnovsky</i>)○ Metab2MeSH (<i>Alla Karnovsky</i>)○ MetLIMS and Data Management Tools Demonstration (<i>Sasha Raskind</i>)
3:00 – 4:00	Q&A Session with Experts