

# 2014 Short Course

# Practical Mass Spectrometry

NIH/NIGMS Mass Spectrometry Resource

PI: Michael L. Gross

- Lectures
- Hands-on Experience
- Demonstrations & Tutorials
- Individual Consultation

**May 20-22, 2014**

\$950 industry, \$475 academic

**Day 1: Lectures**

**Sample Ionization and Mass Analysis: Molecular Ions**

Demo and hands-on

**Ionization and Assignment of Molecular Ion**

**Day 2: Lectures**

**Sample Fragmentation: EI Mass Spectra and MS/MS**

Demo and problem-solving

**Spectra Acquisition and Interpretation**

**Day 3: Lectures**

**Sample Separation: MS and Chromatography**

**Experimental Design and Problem Solving**

Advanced topics and awarding certificates

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