

## **Sponsored Webinar San Diego Section, AACC**

**Free to Members and their Guest**

### ***Mass Spectrometry Applications in Designer Drugs of Abuse Testing***

**Tuesday, April 29, 2014**

**11:00am PDT - 12:00pm PDT**

#### **Location:**

USCD Center for Advanced Laboratory Medicine  
UC San Diego, 10300 Campus Point Drive, San Diego, CA 92121  
Conference Room C, on the SE side of the building; first parking lot on the right as you enter the complex.

#### **Speaker:**

*Marilyn A. Huestis, PhD*, Senior Investigator; Chief, Chemistry and Drug Metabolism Section, National Institute on Drug Abuse, Intramural Research Program, National Institutes of Health, Biomedical Research Center, Baltimore, MD

Liquid chromatography tandem mass spectrometry (LC-MS/MS) and gas chromatography mass spectrometry (GC-MS) methods are invaluable to labs that are investigating the instances and mechanisms of drug use and abuse. Particularly in cases where the drug of choice is one of the newer "designer" drugs that have been synthetically created, LC-MS can be used to identify the drug's compounds and determine how these synthetic drugs are evolving. She will discuss:

- Advances occurring in LC-MS/MS and GC/MS testing that can help labs keep up with evolving trends in drug abuse
- Strategies lab can use to meet the clinical needs for designer drugs-of-abuse testing in their organizations
- Approaches labs can take to interpreting drug concentrations in alternative matrices
- How LC-MS/MS and GC-MS methods can be used to address the problems of drug addiction and prevention and treatment of drug abuse.

#### **Target Audience**

Clinical laboratory directors, managers, and technologists; clinical toxicology experts; hospital medical directors; and industry representatives interested in understanding the role LC-MS/MS and GC-MS testing plays in identifying and monitoring emerging drugs of abuse.