



## Analytical Alberta Symposium 2019

**PerkinElmer, InnoTech Alberta and VUV Analytics** have joined together to host two days of learning exploring innovations in Cannabis and Gas Chromatography. Learn from industry experts on sample preparation, regulations, testing, instrument operation and optimization.

Whether you are looking to enhance your laboratory practices or looking for more in-depth knowledge of Cannabis analysis, these presentations are focused on industry regulations and ensuring your data is submitted with the utmost confidence (register for one or both days).

### OCTOBER 1- CANNABIS ANALYSIS SYMPOSIUM

PerkinElmer and industry partners are coming together in Alberta for a cannabis seminar focusing on product and regulatory analyses. These presentations will provide insights on the Canadian cannabis requirements.

Agenda	Time:
<b>Registration and Continental Breakfast</b>	8:15 AM
<b>Welcome</b> <i>Innotech Alberta</i>	8:50 AM
<b>Setting Up and Running a GMP-Compliant Testing Lab for Cannabis</b> <i>Dr. Kaveh Kahen, Sigma Analytical Canada's Cannabis Testing</i>	9:00 AM
<b>Regulations: What are they and How to Meet Them</b> <i>Candas Martin, InnoTech Alberta</i>	9:25 AM
<b>Cannabis the Plant and Aspects to Consider for Potency Testing</b> <i>Dr. Raimar Loebenberg, University of Alberta</i>	10:00 AM
<b>Alberta Cannabis Research and Innovation Network</b> <i>Professor James Harynuk University of Alberta</i>	10:25 AM
<b>Break</b>	10:35 AM

**Dates:** October 1<sup>st</sup> - 2<sup>nd</sup>, 2019

**Time:** 8:15 AM - 4:00 PM

**Location:** InnoTech Alberta  
250 Karl Clark Road  
Edmonton, AB T6N 1E4

**October 1 - Cannabis Analysis Symposium**

**Registration:** <https://AlbertaCannabis.eventbrite.com>

**October 2 - Chromatography Educational Sessions**

**Registration:** <https://ChromeEducation.eventbrite.com>

**October 3 - Petroleum Symposium**

**Registration:** <https://AlbertaPetro.eventbrite.com>

For the convenience of attendees not regionally close to the InnoTech Alberta site, we are live-streaming presentations. Please visit the registration webpage for details.



<b>QSight LC-MS/MS: A Single Analytical Platform for Pesticides in Cannabis</b>	10:55 AM
<i>Erasmus Cudjoe, PerkinElmer</i>	
<b>Building In-Process Analytics to Support Cannabis LP's in Their Production Optimization Needs</b>	11:30 AM
<i>Dr. Marcus Roggen, Complex Biotech Discovery Ventures (CBDV)</i>	
<b>Lunch</b>	12:00 PM
<i>Compliments of PerkinElmer, InnoTech Alberta, and VUV Analytics</i>	
<b>Molecular Methods for the Microbial Testing of Cannabis - A Necessary Approach</b>	1:00 PM
<i>Kyle Boyar, Medical Genomics</i>	
<b>Fast and Accurate Terpene and Residual Solvent Analysis by Headspace GC/MS</b>	1:30 PM
<i>Lee Marotta, PerkinElmer</i>	
<b>Sample Disruption for Cannabis Testing and Production</b>	2:00 PM
<i>Dr. Rodney Nash, Omni-Inc</i>	
<b>Break</b>	2:25 PM
<b>Cannabis Sample Preparation for Multiple Elements Analysis by ICP-MS</b>	2:45 PM
<i>Lisa Shi, InnoTech Alberta</i>	
<b>Laboratory Sample Preparation Tools for Both Growers and Testing Laboratories</b>	3:05 PM
<i>Gilles Groulx, ATS-Scientific, Inc</i>	
<b>Challenges and Successes in Microbiological Testing of Cannabis</b>	3:30 PM
<i>Ralph Lange, InnoTech Alberta</i>	
<b>Finish, Questions &amp; Networking</b>	4:00 PM

<b>Volatile Sample Introduction Via Heated Pressurized Injection System (HPLIS)</b>	9:55 AM
<i>Yves Bouchard, Chromatographic Specialties Inc</i>	
<b>Break</b>	10: 20 AM
<b>Selecting the Best GC Column for Your Analysis</b>	10:35 AM
<i>Keith R. Irwin, Restek</i>	
<b>Expanding GC Capabilities with Microfluidics: Dean Switching and Backflushing</b>	11:15 AM
<i>Chris Goss, InnoTech Alberta</i>	
<b>Lunch</b>	11:50 AM
<i>Compliments of PerkinElmer, VUV Analytics, and InnoTech Alberta</i>	
<b>Choosing the Best GC Detector for Your Analysis: Selection, Theory and Function</b>	1:00 PM
<i>Chris Goss, Presented by InnoTech Alberta</i>	
<b>An Introduction to Gas Chromatography-Vacuum Ultraviolet Spectroscopy (GC-VUV)</b>	1:45 PM
<i>Tom Steen, VUV Analytics</i>	
<b>Break</b>	2:10 PM
<b>Gas Chromatography (GC) Troubleshooting and Maintenance</b>	2:25 PM
<i>Lee Marotta, PerkinElmer</i>	
<b>Tricks of the Trade Keeping ASTM D7169 Up and Running</b>	3:05 PM
<i>Chris Goss, Presented by InnoTech Alberta</i>	

## OCTOBER 2 - CHROMATOGRAPHY EDUCATIONAL SESSIONS

We are pleased to present a day of learning, tackling everything from the basic to the tricky Gas Chromatography challenges. Learn the "tricks of the trade" from scientists and leading industry professionals. The goal: To enable a more productive workflow and more accurate results.

Agenda	Time
<b>Registration and Continental Breakfast</b>	8:15 AM
<b>Welcome and Introductions, by PerkinElmer</b>	8:55 AM
<b>Headspace and Thermal Desorption GC Sample Introduction Techniques: Theory, and Applications</b>	9:05 AM
<i>Lee Marotta, PerkinElmer</i>	
<b>Getting the Most from Your Liquid Injections: Optimization</b>	9:35 AM
<i>Lee Marotta, PerkinElmer</i>	



VGA-100 Benchtop VUV Spectrometer



Clarus® SQ8 GC/MS



NexION® 2000 ICP-MS



QSight® 400 Series LC/MS/MS

PerkinElmer, Inc.  
940 Winter Street  
Waltham, MA 02451 USA  
P: (800) 762-4000 or  
(+1) 203-925-4602  
[www.perkinelmer.com](http://www.perkinelmer.com)



VUV Analytics, Inc.  
1500 Arrow Point Drive  
Bldg 8, Suite 805  
Cedar Park, TX 78613 USA  
(+1) 512-333-0860  
[www.vuvanalytics.com](http://www.vuvanalytics.com)



InnoTech Alberta  
250 Karl Clark Road  
Edmonton, AB T6N 1E4  
Canada  
(+1) 780-450-5111  
[www.innotechalberta.ca](http://www.innotechalberta.ca)



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