

57th Canadian Trace Organic Workshop (CTOW) 2025

Calgary, Alberta April 29 - May 1, 2025

FINAL AGENDA

Start	End	Tuesday, April 29, 2025		Location
Red & White Club, University of Calgary, McMahon Stadium				Calgary Red & White Club
6:00 PM	9:00 PM	Pre-Registration and Reception / Mixer	Sponsored by PerkinElmer Scientific Canada ULC	Big T's BBQ 2138 Crowchild Trail NW

Start	End	Wednesday, April 30, 2025		Location
7:00 AM	8:00 AM	Corporate booth and scientific poster set up		Red & White Club
8:00 AM	9:00 AM	Breakfast and Coffee	Sponsored by Isomass Scientific Inc.	Red & White Club
8:00 AM	9:00 AM	Registration		
9:00 AM	10:30 AM	Session 1 A	Chair: Kathy Hunt	Red & White Club
9:00 AM	9:10 AM	Welcome and Introduction		
9:10 AM	9:50 AM	KEYNOTE - Melissa Bennett, Alberta Centre for Toxicology	Beyond Fentanyl: The Evolving Landscape of Novel Psychoactive Substances in Alberta	
9:50 AM	10:10 AM	Kjell Hope, Pacific Rim Laboratories	Ensuring Water Safety: Ultra-Trace Detection of PCB 126 in British Columbia Waters	
10:10 AM	10:30 AM	Blake Hunnie, University of Saskatchewan	Introduction to Feature-Based Molecular Networks & Non-Target Workflows	
10:30 AM	11:00 AM	Coffee Break	Sponsored by Sciex	Red & White Club
		Session 1 B	Chair: Ralph Hindle	Red & White Club
11:00 AM	11:20 AM	Vichaya Charoensuk, Alberta Centre for Toxicology	Monitoring of Microcystins in Alberta Recreational Waters	
11:20 AM	11:40 AM	Don Noot, Noot Analytical Consulting	Details Matter – Some Tips and Tricks for GC/MS and LC/MS Analysis	
11:40 AM	12:00 PM	Kathy Hunt, Vogon Labs	Haloacetic acids - in pursuit of an alternate EPA method	
12:00 PM	1:00 PM	Lunch	Sponsored by Agilent Technologies	Red & White Club
		Session 2 A	Chair: Don Noot	Red & White Club
1:00 PM	1:20 PM	Joshua Lee, Caledon	Presentation of the Caledon Award	
1:20 PM	1:40 PM	Erasmus Cudjoe, PerkinElmer	Advancing Your Applications with Robust LC-MS/MS Technology for Challenging Matrices	
1:40 PM	2:00 PM	Poster session	Poster session	
2:00 PM	2:20 PM	Poster session	Poster session	
2:20 PM	3:00 PM	Coffee Break	Sponsored by Calibre Scientific and Mandel Scientific	Red & White Club
		Session 2 B	Chair: Cassandra Schoen	Red & White Club
3:00 PM	3:20 PM	Domokos Gyore, Isomass Scientific Inc.	New Horizons: The Orbitrap Exploris Isotope Solutions	
3:20 PM	3:40 PM	Margaret Renaud-Young, FREDsense Technologies	Development of a rapid, in-field sensor for performing PFAS analysis on-site	
3:40 PM		End of Day 1 Sessions		

3:40 PM	5:00 PM	Travel to Chinook Mall	For those who require transportation to the dinner event and/or back to hotel, please see Ralph Hindle for arranging transport.
---------	---------	------------------------	---

		Horizons of Khufu (Virtual Reality)	https://horizonkheopsexperience.com/calgary/	Location
5:30 PM	6:45 PM	Mixer and Exhibits	Sponsored by Wellington Labs	CF Chinook Centre 6455 MacLeod Trail Calgary
7:00 PM	9:00 PM	Dinner at Joey's Restaurant		

57th Canadian Trace Organic Workshop (CTOW) 2025

Calgary, Alberta April 29 - May 1, 2025

FINAL AGENDA

Start	End	Thursday, May 1, 2025		Location
8:00 AM	9:00 AM	Breakfast and Coffee	Sponsored by Thermo Fisher Scientific	Red & White Club
		Session 3 A	Chair: Douglas Muench	Red & White Club
9:00 AM	9:20 AM	Sarah Haynes, Thermo Fisher	An automated approach for the analysis of VOCs in drinking and surface water	
9:20 AM	9:40 AM	Camryn Charriere, University of Calgary	Adsorption of naphthenic acid fraction compounds to sediment substrates: the impact of substrate and oil sands process water characteristics	
9:40 AM	10:00 AM	Ian Vander Meulen, University of Saskatchewan	Exploring Surface Water-Bitumen Interactions in Athabasca Oil Sands Wetlands Using Stable and Radiocarbon Isotopes	
10:00 AM	10:40 AM	Coffee Break	Sponsored by Agriculture and Food Laboratory, University of Guelph	Red & White Club
		Session 3 B	Chair: Ian Vander Meulen	Red & White Club
10:40 AM	11:00 AM	Naren Meruva, Waters Corporation	Advancing Food Testing with Innovations in Chromatography and Mass Spectrometry	
11:00 AM	11:20 AM	Blake Hunnie, University of Saskatchewan	Non-target chemical characterization of an agro-industrial and municipal wastewater-driven wetland complex in Southern Alberta CA	
11:20 AM	11:40 AM	Dave Hasman, Procyon Labs	ESI(+) Mass Spectral Study of: (-) Δ^9 -tetrahydrocannabinol (THC) and Cannabidiol (CBD) Photochemical Reactions Initiated During on-line Diode Array UV Measurements	
12:00 PM	1:00 PM	Lunch	Sponsored by Waters	Red & White Club
		Session 4 A	Chair: Ralph Hindle	Red & White Club
1:00 PM	1:20 PM	Marcus Kim, Agilent	Solutions for untargeted characterization of PFAS	
1:20 PM	1:40 PM			
1:40 PM	2:00 PM			
2:00 PM	2:30 PM	All attendees	Round table discussion: CTOW 2025 & CTOW 2026 comments	
		Session 4 B	Chair: Ralph Hindle	Red & White Club
2:30 PM	2:40 PM	Closing comments		
2:40 PM		End of Day 2 Sessions		
		Thanks for Attending and Presenting!		

POSTERS

Suresh Patel, Canadian Grain Commission	Method development and validation for detection of Chlormequat in Oats by LC-HRMS
Alan Rowe, Sciex	PFAS in Me – How Much and Which Ones
Mulu Gebremedhin, DRDC Suffield Research Center	GC-MS Detection and Identification of Fentanyl and Its Analogs Using Single Quad GC-MS at DRDC SRC
Messele Fentabil, DRDC Suffield Research Center	LC-MS Detection and Identification of Fentanyl and Its Analogs Using UPLC QToF MS at DRDC SRC
Dave Hasman, BCIT	Mobile Phase Investigation of Positive and Negative Ion ESI Spectra of Plant Polyacetylenes during LC/MS