

# ASITA 2026 Schedule June 7<sup>th</sup> – 10<sup>th</sup>, 2026

ASITA will be held in the Exeter Room in Marquis Hall – **97 Campus Drive** on the University of Saskatchewan campus in Saskatoon, Saskatchewan

**Wifi access, Username: ASITA2026, Password: Isotope, eduroam is also available**

## Sunday, June 7<sup>th</sup> – Welcome & Short Courses

Time	Activity	Presenting Author
8:00 AM	Vendor Set-up	
9:00 AM	Coffee, Registration, Poster Set-up	
9:30 AM	Introductions/Announcements	Kim Janzen
9:40 AM	Welcome, Land Acknowledgment & Opening Remarks	Colin Laroque, Department Head
10:00 AM	IRMS General Principals	Kyle Taylor
11:00 AM	Elemental Analyser Principles	Paul Middlestead
12:00 PM	Lunch Break	Marquis
1:00 PM	GC-IRMS Chromatography Principles	Paul Eby
2:00 PM	IRMS Standards and Calculations	Jean-François Hélie
3:00 PM	Orbitrap Principles in Isotope Measures	Taylor Graham
3:30 PM	Break – Coffee/Tea/Juice	
4:30 PM – 5:45 PM	Isoverse: Open-source IRMS Workflows	Sebastian Kopf
6:00 PM – 8:00 PM	Icebreaker	University Club – IsoSpark

## Monday, June 8<sup>th</sup> – Talks and Banquet

Time	Activity	Presenting Author
8:00 AM	Coffee, Registration & Poster Set-up	
8:50 AM	Introductions/Announcements	Kim Janzen
9:00 AM	Welcome & Isotope Research College of Agriculture	Bobbi Helgason
9:15 AM	A brief history of ASITA, Isomass and Radom	Peter Stow
9:40 AM	Effects of Pretreatment on Bulk Organic Carbon and Related Measurements by Elemental Analysis-Isotope Ratio Mass Spectrometry	Jack Hutchings

10:05 AM	Isotope Ratio Measurements to Support Sustainable Wild Rice Production in Northern Saskatchewan Indigenous Communities	Michelle Chartrand
10:30 AM	Break – Coffee/Tea/Juice	Nu Instruments
11:00 AM	Compound-Specific Carbon Isotope Measurements of Fecal Steroids: A Potential Proxy for Herbivore Dietary Shifts	Alessandro Mauceri
11:25	Cold Traps & Clean Peaks: Cryogenic Approaches to Atmospheric Methane Analysis with GC-IRMS	James Ravenhill
11:50 AM	A new separation strategy for LC-O-IRMS $\delta^{13}\text{C}$ measurement of underivatized amino sugars from soil	Jesse Reimer
12:15 PM	Lunch Break	Marquis – Sercon
1:30 PM	Developing sulfur isoscapes for mobility studies using modern plants	Damon Tarrant – Student
1:55 PM	Creating a haystack from a needle: Trials and tribulations with SIMS and bulk sulfur isotope analysis in complex diagenetic settings	Andrew Kingston
2:20 PM	Cooking up New In-House Organic Sulfur Calibration Materials	Anic Imfeld
2:45 PM	Break – Coffee/Tea/Juice	
3:15 PM	Replacing Carbon Monoxide in the IRMS Lab	Paul Eby
3:40 PM	Offline preparation of carbonates for $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ analysis vial Gasbench-IRMS	Andrea Prentice
4:05 PM	Freezing prevents $^{60}\text{Co}$ - $\gamma$ irradiation artefacts in DOM concentration, composition and $\delta^{13}\text{C}$	Mitchell Lo
4:30 PM	Announcements	Kim Janzen
4:50 PM	Depart for the Banquet – transportation provided	Pick-up in the Physics Loop
6:00 PM – 8:00 PM	Banquet	Western Development Museum – Isomass

## Tuesday, June 9<sup>th</sup> – Talks, Poster Session & Pub Night

Time	Activity	Presenting Author
8:00 AM	Coffee/Tea/Juice	
9:00 AM	Announcements	Kim Janzen
9:15 AM	<sup>13</sup> C tracing reveals microbial drivers of root-zone carbon dynamics among prominent field crops	Bobbi Helgason
9:40 AM	Novel developments in Laser Ablation IRMS and carbonate preparation systems from Nu Instruments Ltd.	Michael Colucci
10:05 AM	Fully integrated TOC and TNb analysis of estuarine and sea water samples with the Elementar iso TOC cube®	Kyle Taylor
10:30 AM	Break – Coffee/Tea/Juice	Thermo Fisher Scientific
11:00 AM	High-Precision Discrete N <sub>2</sub> O Isotopic Analysis with the new Picarro PI5131-i Cavity Ring Down Spectroscopy Analyzer and Sage Gas Autosampler as an alternative to conventional mass spectrometry analytical techniques	Russell Chedgy
11:25 AM	A novel dual inlet large radius IRMS for isotopologue measurement	Garry Armstrong
11:50 AM	Lunch Break	Marquis
1:00 PM	Keynote Address: From Gas Torches to Lasers, Measuring Stable Isotopes	Jean-François Hélie, Geotop
2:00 PM	Break – Coffee/Tea/Juice	
2:15 PM	Announcements & Last Minute Poster Set-up & Group Picture	In front of the Administration Bld
3:00 PM	Poster Session	
4:00 PM – 6:00 PM	Pub Night Social	Louis Loft – Elementar

## Posters

Time	Activity	Presenting Author(s)
Tuesday June 9 <sup>th</sup> , 3:00 PM		
	Evaluating the effectiveness of lipid extraction techniques on the elemental and isotopic composition of modern bone collagen	Ash Buchanan & Katherine Dolan – Student
	Tracing nitrogen use efficiency for specialty crops on the prairies	Autumn Collins – Student
	Greenhouse gas fluxes from residues of different canola lines during early-stage decomposition	Opeyemi Adewumi – Student
	Into the ISOVERSE open-source data tools for efficient, transparent, and reproducible processing of stable isotope data	Sebastian Kopf

## Wednesday, June 10<sup>th</sup> – Wrap-up, Lab Tours & Start of Elementar Workshops

Time	Activity	Lead
8:00 AM	Last-Minute Lab Tour Sign-up & Coffee/Tea/Juice	
8:55 AM	Announcements	Kim Janzen
9:00 AM	Presentation of Student Prize/Closing Remarks	Kim Janzen/Geoff Koehler
9:30 AM	Lab Tour – Soil Science (EA-IRMS, GHG-IRMS, MS-GC/LC-IRMS, LGR ICOS)	Kim Janzen & Jesse Reimer
9:30 AM	Lab Tour – ECCC (short walk to the lab)	Geoff Koehler
11:00 AM – Switch Locations	Lab Tour – Soil Science (EA-IRMS, GHG-IRMS, MS-GC/LC-IRMS, LGR ICOS)	Kim Janzen & Jesse Reimer
11:00 AM – Switch Locations	Lab Tour – ECCC (short walk to the lab)	Geoff Koehler
12:00 PM	Lunch Break & Sponsor Tear-down	Marquis
12:30 PM	End of ASITA Program	

## Wednesday June 10<sup>th</sup> – Post-ASITA Elementar Workshops

Location: 51 Campus Drive, Agriculture and Bioresource Building 5<sup>th</sup> floor. Classroom 5C61, Meeting Room 5D37 and Lab 5E85

Time	Activity	Lead – Location
1:30 PM – 5:30 PM Parallel Sessions	Source Workshop (4 hr total)	Alejandra Cartagena Sierra – 5D37
1:30 PM – 5:30 PM Parallel Sessions	LyticOS Data Processing	Kyle Taylor – 5C61

## Thursday, June 11<sup>th</sup> – Elementar Workshop Sessions Continued

Time	Activity	Lead – Location
9:00 AM – 1:30 PM Parallel Sessions	Source Workshop (4 hr total)	Alejandra – 5D37
9:00 AM – 1:30 PM Parallel Sessions	Analysis & Data Management EA & EA-IRMS	Kyle, Bayley Markley, Kim – 5C61 & 5E85
1:00 PM	Lunch	BBQ – Main floor foyer
1:30 AM – 5:30 PM Parallel Sessions	Analysis & Data Management GHG-IRMS	Kyle, Bayley, Kim – 5C61 & 5E85
1:30 AM – 5:30 PM Parallel Sessions	Source Workshop (4 hr total)	Alejandra – 5D37