



The 14th International Conference on the
Applications of Stable Isotope Techniques
to Ecological Studies

Conference Programme

12-16 October 2026
The University of Hong Kong

Supporters

croucher



WELCOME TO ISOECOL 2026!

Welcome to the proceedings of the 14th International Conference on the Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol 2026), returning to Asia for an unforgettable chapter in Hong Kong. Set against the backdrop of one of the world's most dynamic biodiversity hotspots—where more than 6,000 marine species thrive alongside a remarkably resilient terrestrial ecosystem—this volume captures the cutting edge of global isotope ecology.

Our scientific program reflects this spirit of innovation and global exchange, anchored by an exceptional keynote lineup spanning diverse career stages and representing our host region, China, and the wider international community. Complemented by our oral, lightning, and poster presentations, the conference has been organized across thematic sessions that address pressing frontiers in biogeochemistry, trophic ecology, paleoenvironments, marine conservation, and beyond.

Whether exploring the historical depths of our South China Sea fisheries through stable isotopes or charting new analytical methodologies via HKU's open-access SIRMS platform, the contributions gathered here highlight the relentless energy of our field. 加油 (Gā yóu)! May these pages spark new collaborations, enduring friendships, and fresh discoveries as we push the boundaries of stable isotope science together.



Prof. David M. Baker
IsoEcol 2026 Chair

CONTENTS

CONFERENCE VENUE.....	3
PRESENTATION GUIDELINES	3
ICEBREAKER EVENT	4
REGISTRATION.....	4
POSTER SESSION	4
MEALS & COFFEE BREAKS	4
BANQUET DINNER.....	4
BOOK OF ABSTRACTS.....	4
WORKSHOPS.....	5
PROGRAMME OVERVIEW.....	10
MONDAY - 12 OCTOBER 2026	11
TUESDAY - 13 OCTOBER 2026	13
WEDNESDAY - 14 OCTOBER 2026 (Field Trips)	15
THURSDAY - 15 OCTOBER 2026.....	16
FRIDAY - 16 OCTOBER 2026	18
POSTER SESSION	20
SUPPORTERS	24

Conference Venue

The conference will take place on campus at The University of Hong Kong (HKU). Talks will occur at the Yuet Ming Auditorium (5/F, Chong Yuet Ming Cultural Centre), and meals and coffee breaks will be served in the adjoining exhibition space. The poster session will be held on G/F of K.K. Leung Building, which is connected to CYMCC via an outdoor walkway on the ground floor. Please refer to the map below for details on how to navigate to both venues (map is also accessible on the conference website).



Presentation Guidelines

Poster Presentations must be printed in portrait orientation on A0 paper size (841 mm x 1189 mm). All talks should be prepared as PowerPoints or PDF files in a 16:9 aspect ratio (widescreen). Oral Presentations are allotted 12 minutes with 3 minutes for Q&A. Lightning Talks will be given 3 minutes and 2 minutes for Q&A. Please adhere to the appropriate timings to ensure that the conference programme runs smoothly. Presentations can be uploaded using provided links (available prior to the conference) or on-site during registration and lunch breaks. All presentations **must be submitted at least 24 hours before your session**.

Icebreaker Event

We will kick off the conference with an Icebreaker Event on Sunday, October 11th from 6-8pm. It will take place at the Senior Common Room, Café 1951 (15/F, K.K. Leung Building, The University of Hong Kong). Drinks and canapés will be provided for all.

Registration

Attendees will be able to register at the Icebreaker Event (6-8pm) and on Monday at the Yuet Ming Auditorium before the conference (8-9am). If you are unable to register during those times, please find a member of the organizing committee during the conference or email isoecol@hku.hk so that we can assist you.

Poster Session

The poster session will take place from 5:30-7:00pm on Monday, October 12th on G/F of K.K. Leung Building. Poster boards will be set up during the Icebreaker Event which takes place in the same building, making it convenient for presenters to hang posters before or after the event (please refer to your poster number in the programme). Posters must be taken down *before* Friday, October 16th.

Meals & Coffee Breaks

Lunch will be served every day with options to accommodate dietary restrictions. Coffee, tea, and light snacks will be provided in the mornings and afternoons between sessions.

Banquet Dinner

The Banquet Dinner will be held from 7-9pm on Friday, October 16th at the Victoria Harbour Restaurant (2/F, The Westwood), just a short walk away from HKU's campus. We will celebrate the end of the conference over Cantonese dinner and drinks. Tickets can be purchased for HK\$600 on the conference website until **September 30th**. If you have registered for the banquet, you will receive a physical ticket at registration that must be presented at the restaurant.

Book of Abstracts

The Book of Abstracts contains abstracts for all keynote speakers, oral presentations, lightning talks, and poster presentations. It can be downloaded on the conference website or by scanning the provided QR code. *All entries in the table of contents are hyperlinked for convenient navigation.*



Workshops

This year, we are excited to offer three conference workshops that target a broad range of topics for all skill levels. Workshops will be held concurrently on **Sunday, October 11th** at HKU (**Centennial Campus – Central Podium Levels [CPD], Run Run Shaw Tower**). Workshop details are as follows:

Advancing trophic position estimation: from bulk isotope models to CSIA-AA using the tRophicPosition R package

Dr. Claudio Quezada-Romegialli

- > **Room:** CPD-3.16
- > **Time:** 9:00–13:00

Strontium isotope geolocation for terrestrial ecology

Dr. Clement Bataille, Dr. Megan Reich, Dr. Chris Stantis

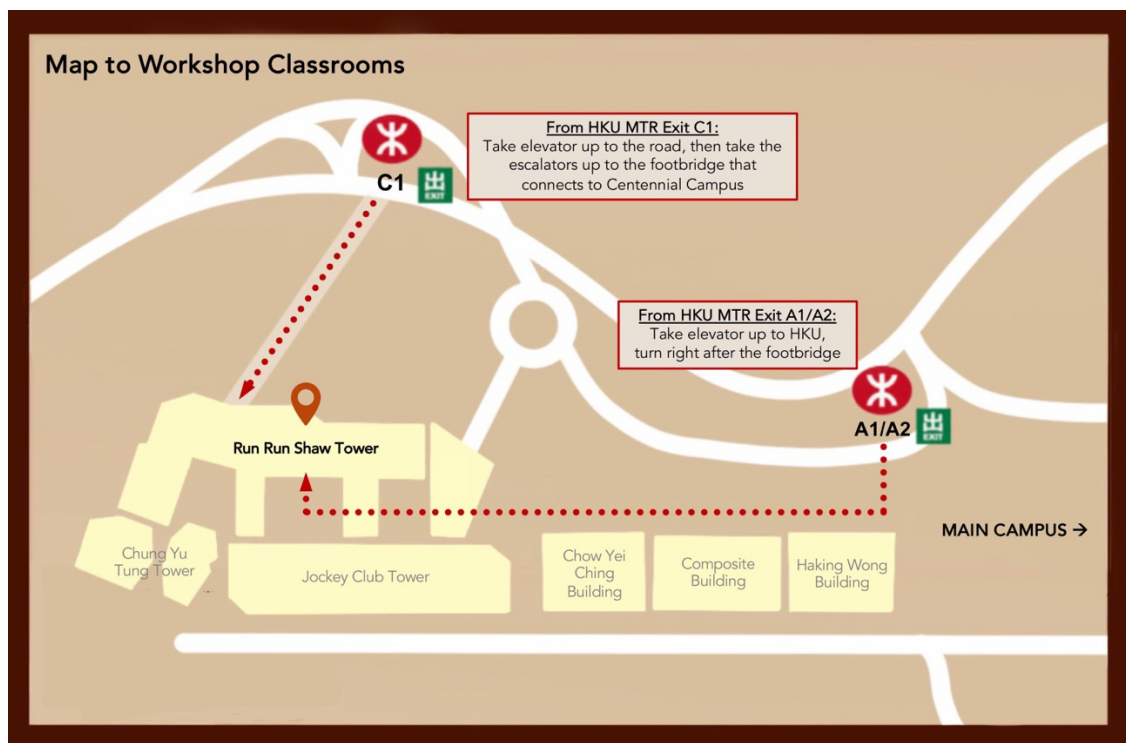
- > **Room:** CPD-2.14
- > **Time:** 9:00–17:00

Pre-Conference Workshop: Understanding Stable Isotope Ecology

Dr. Brian Hayden

- > **Room:** CPD-3.15
- > **Time:** 10:00–16:00

Full details and registration can be found on the conference website, and emails with workshop-specific information will be sent to participants prior to the conference.



Field Trips

Similar to all past IsoEcol conferences, Wednesday, October 14th is reserved for field trips that allow you to relax, explore the city, and spend time with your fellow attendees. If you are interested in diverse wildlife and natural landscapes of Hong Kong, attend a birdwatching tour in Mai Po Nature Reserve or dive and snorkel around a remote island in Hong Kong's Geopark. Those who want to explore the city can experience the sights and a fresh seafood meal in Tai Po, sample some of the many streetfoods around Kowloon, or take a picturesque hike through Lamma Island.

Additional details and tickets can be found on the conference website. **All field trip times and locations are subject to change.** Email itineraries with final and complete details will be sent out prior to each trip.

Hong Kong's iconic Mai Po Nature Reserve – bird watching and mangrove exploration

- > **Time:** 8:30-15:00
- > **Food:** Lunch included
- > **Travel:** Coach pick up and drop off (HKU)

Discovering Tai Po – gem of the New Territories! Seafood and lifestyle

- > **Time:** 12:30-15:30
- > **Food:** Lunch included
- > **Travel:** Meet at location (Tai Po Market MTR Station)

Breathtaking views and scenery of a neotropical island: an easy hike on Lamma Island

- > **Time:** 10:00-16:00
- > **Food:** Lunch included
- > **Travel:** Meet at location (Central Pier No. 4)

Bring out the food! Tasting the delights of streetfood in Kowloon

- > **Time:** 15:00-20:00
- > **Food:** Snacks and dinner included
- > **Travel:** Meet at location (Yau Ma Tei MTR Station)

The Big Blue – a diving and snorkeling trip around Hong Kong's Geopark

- > **Time:** 8:30-16:30
- > **Food:** Lunch included
- > **Travel:** Coach pick up and drop off (HKU)

Town Hall: Charting the Future of Our Community

As stable isotope ecology continues to expand in methodological sophistication and global reach, the IsoEcol community stands at an exciting organizational crossroads. This Town Hall invites all conference attendees, early-career researchers, and seasoned isotopists to participate in an open, forward-looking discussion regarding the long-term evolution of our conference series.

The session will focus on three core strategic opportunities:

- **Formalizing a Scientific Society:** Establishing a permanent, member-driven international association to provide structural continuity, support student mobility, and champion global networking between meetings.
- **A Society-Backed Journal:** Evaluating the viability, scope, and publishing models for an official, peer-reviewed journal dedicated specifically to ecological applications of stable isotopes.
- **Community Governance:** Discussing leadership structures, equity, diversity, and how we can best support the next generation of isotope ecologists worldwide.

Whether you are a pioneer of the field or joining IsoEcol for the first time, your voice is essential in shaping how our community collaborates, publishes, and grows into the next decade. Join us for a lively, interactive dialogue as we map out the future of IsoEcol together.

Keynote Speakers

Keynote 1: *Applications of stable isotopes to blue carbon provenance studies*



Prof. Guanghui Lin received his Ph.D. degree from University of Miami, USA. He is currently a professor of Ecology at Tsinghua University and Chief scientist for Hainan international Blue Carbon Research Center, China. He has served as the Principal Investigator (PI) for over US\$17 million research grants and has published over 230 papers and 5 academic books. His research interests include global change ecology, stable isotope ecology and coast wetland ecology.

He served as a Lead author for IPCC 2013 Supplement Guidance on Greenhouse Inventory of Coastal Wetlands, Vice Chairman for ChinaFlux and Editorial Board Member of *Ecosystem Health and Sustainability*.

Keynote 2: *Beyond Glx–Phe: Multi–Amino Acid Nitrogen Isotopes Reveal Hidden Structure in Dietary Ecology*



Dr. Julia Tejada is Assistant Professor of Geobiology at the California Institute of Technology. She received her Ph.D. in Earth Sciences and Comparative Biology from Columbia University and the American Museum of Natural History, followed by postdoctoral training at the Universities of Cambridge (UK) and Montpellier (France). Her research develops and applies isotope-based methods to trace the biochemical imprints diets leave in amino acids preserved in

modern and fossil organisms. Her lab explores how dietary adaptations shaped life over deep time, and how prolonged climate extremes affect the Amazon rainforest, a system widely considered a tipping point in Earth's climate. This work unites lab experiments, new geochemical tools, and fossil discoveries from one of Earth's scientific frontiers.

**All keynote talk abstracts can be found in the Book of Abstracts*

Keynote 3: *Energy channels and nutrient plasticity in reef building corals*



Dr. Christopher Wall is a physiological ecologist specializing in the study of coral reefs, stable isotope biogeochemistry, and marine and freshwater invertebrates in symbiosis with microbial partners. Dr. Wall's research program is broadly focused on the coral-Symbiodiniaceae symbiosis, where he uses stable isotopes and molecular techniques to understand coral energetics and nutritional plasticity, symbiont functional diversity, and the mechanisms that support resilience to environmental stress. His recent works have focused on terrestrial subsidies and their influence on marine and freshwater systems, and how stochastic and deterministic factors act to structure microbial communities and host-microbe interactions.

Keynote 4: *Soil invertebrates reduce plant nitrogen assimilation from decomposing litter in tropical but not temperate forests*



Dr. Xiaoyi Zeng is a forest ecologist, and her research focuses on the roles of soil organisms in mediating nutrient cycling and plant development in response to global change. She is a postdoctoral researcher in the Biodiversity and Environmental Change Lab at the University of Hong Kong and was awarded a Ph.D. in Ecology and Biodiversity from HKU in 2025. Her work combines stable isotope tracing, cross-biome field experiments, metabarcoding, and meta-analysis to quantify the effects of soil invertebrates and microbes on litter decomposition and downstream plant nutrient assimilation under climate change, forest succession, and human disturbance.

**All keynote talk abstracts can be found in the Book of Abstracts*

Programme Overview

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00		Registration				
8:30						
9:00	Workshop: Strontium isotope geolocation	Opening Ceremony	Welcome Remarks		Welcome Remarks	Welcome Remarks
9:30		Keynote 1: Guanghui Lin	Keynote 2: Julia Tejada		Keynote 3: Christopher Wall	Keynote 4: Xiaoyi Zeng
10:00		Coffee Break	Coffee Break		Coffee Break	Coffee Break
10:30						
11:00		Session 1A: Freshwater & Estuarine Ecology	Session 2A: Paleoecology & Archaeology I		Session 3A: Paleoecology & Archaeology II	Session 4A: Plant & Aquatic Biogeochemistry
11:30						
12:00						
12:30						
13:00		Lunch	Lunch		Lunch	Lunch
13:30						
14:00	Workshop: tRophicPosition	Session 1B: Marine Trophic Dynamics I	Session 2B: Forensic & Conservation Ecology	Field Trips	Session 3B: Ecophysiology & Nutritional Stress	Session 4B: Anthropogenic Impacts & Pollution
14:30		Lightning 1: Trophic & Food Web Ecology I	Lightning 2: Forensic and Paleoecology		Lightning 3: Trophic & Food Web Ecology II	Lightning 4: Biogeochemistry & Methodologies
15:00		Coffee Break	Coffee Break		Coffee Break	Coffee Break
15:30						
16:00		Session 1C: Terrestrial Ecology	Session 2C: Migration & Movement Ecology		Session 3C: Marine Trophic Dynamics II	Session 4C: Methodological Advances
16:30						
17:00						
17:30						
18:00		Poster Session			Town Hall	Closing Ceremony
18:30						
19:00	Icebreaker Event & Registration					
19:30						Banquet
20:00						

MONDAY - 12 OCTOBER 2026

Time	Event/Presentation		Abstract
8:00	Registration		
9:00	Opening Ceremony		
—— KEYNOTE ——			
9:30	Guanghui Lin	Applications of stable isotopes to blue carbon provenance studies	
10:30	Coffee Break		
—— Session 1A: Freshwater & Estuarine Ecology —— (Chair: Joshua Pi)			
11:00	Pedro H. S. Basilio †	Stable isotopes reveal trophic dynamics in Amazonian streams	044
11:15	Cara Addison †	Decadal shifts in foraging behavior of juvenile Striped Bass (<i>Morone saxatilis</i>) are linked to major climate modes in the Hudson River Estuary, New York, USA	102
11:30	Brian Hayden	Seasonality of temperate stream food webs?	002
11:45	Jia Huan Liew	Do amino-acid-specific $\delta^{13}\text{C}$ data improve spatial inference beyond bulk isotope data?	136
12:00	Simon Stewart	Rewilding rivers in Aotearoa: a diet-based conservation approach to longfin eel conservation	137
12:15	Mandy Wing Kwan So	Establishing Ecological Redundancy Baseline for Hong Kong Mangroves Using Amino Acids Nitrogen Isotopes	003
12:30	Lunch		
—— Session 1B: Marine Trophic Dynamics I —— (Chair: Shelby McIlroy)			
14:00	Stephania Palacios Narvaez †	Linking trophodynamics of coral reef fish to seasonal upwelling in the southern Red Sea	010
14:15	Henry Slessor	The diet, trophic position and habitat use of humpback whales in the Southwestern Atlantic Ocean	122
14:30	Audrey Marguin	Compound-specific $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analyses of amino acids in modern and archaeological samples of marine fishes and bivalves reveal long-term trophic changes in a coastal lagoon	127
14:45	Maizah M. Abdullah	When Sharks Feast: Sea Turtle Hatchlings as Luscious Prey for Blacktip Reef Sharks Revealed by Stable Isotope Analysis	129

† Student Presenter

Time	Event/Presentation		Abstract
—— Lightning 1: Trophic & Food Ecology I ——			
15:00	Kena Fox-Dobbs	Monitoring how the removal of non-native trout from alpine lakes in Mount Rainier National Park impacts ecological interactions among aquatic organisms	006
15:05	Adam Sokotowski	Differing behaviours of per- and polyfluoroalkyl substances (PFAS) in benthic-pelagic food webs in the brackish low-diversity Baltic Sea as revealed by a stable isotope approach	105
15:10	Madison Muehl	Energy channel coupling by mid-trophic level fish challenges the landscape theory for food web architecture in a large tropical lake ecosystem	115
15:15	Laury Açaf	Integrating Stomach Content and Stable Isotope Analyses to Resolve Trophic Relationships in Coastal Fish of the Eastern Mediterranean	020
15:20	Sergio A. Briones-Hernández	Ontogenetic variations of habitat use of roosterfish (<i>Nematistius pectoralis</i>) off two ecologically distinct fishing areas through eye lens stable isotope analysis	087
15:25	Coffee Break		
—— Session 1C: Terrestrial Ecology —— (Chair: Alex Wyatt)			
16:00	Risto Vesala	Methane carbon and hydrogen isotopes ($\delta^{13}\text{C-CH}_4$, $\delta^2\text{H-CH}_4$) reveal substrate-dependent controls on termite methanogenesis	071
16:15	Imogene Welles †	Optimal foraging theory predicts diet and niche dynamics in a boom-bust mammalian population	045
16:30	HyeJoo Ro †	Spatiotemporal impacts on individual dietary variability in Scandinavian grey wolves (<i>Canis lupus</i>)	092
16:45	Inga E. Conti-Jerpe	Investigating nutrient exchange between partners within the lichen <i>Letharia columbiana</i> across elevations	028
17:00	Lori Hargrove	Trophic shift or environmental tracking: Using stable isotopes to examine a century of change in the resident birds of the San Jacinto Mountains, California	135
17:30 - 19:00	—— POSTER SESSION ——		

† Student Presenter

TUESDAY - 13 OCTOBER 2026

Time	Event/Presentation		Abstract
9:15	Welcoming Remarks		
	— KEYNOTE —		
9:30	Julia Tejada	Beyond Glx–Phe: Multi–Amino Acid Nitrogen Isotopes Reveal Hidden Structure in Dietary Ecology	
10:30	Coffee Break		
	— Session 2A: Paleoecology & Archaeology I — (Chair: Christina Cheung)		
11:00	Jonathan Cybulski	Microbial food webs in Late Holocene Panamá reveal overlooked pathways in human diets	036
11:15	Linda Reynard	Hydrogen isotopes in bone collagen vary with climate over the Late Pleistocene	070
11:30	Oliver Shipley	Stable isotope human ecology of pastoralist, agro-pastoralist, and fishing ethnic groups from the Turkana Basin, Kenya	082
11:45	Marissa Vink †	Dietary niche reconstruction of early hominins based on $\delta^{13}\text{C}$, $\delta^{15}\text{N}$, and $\delta^{18}\text{O}$ from fossil tooth enamel at Sterkfontein Caves	110
12:00	Tina Lüdecke	Refining $\delta^{15}\text{N}$ -Based Trophic Interpretations: Insights from Early Homo Tooth Enamel	113
12:15	Mark Clementz	Late Miocene Intensification of the Humboldt Current System and Its Ecological Consequences Inferred from Sedimentological, Geochemical, and Biomarker Evidence	008
12:30	Lunch		
	— Session 2B: Forensic & Conservation Ecology — (Chair: Inga Conti-Jerpe)		
14:00	Jason Newton	Pangolin Ecology and Provenance from Stable Isotope Analysis of Scale Keratin	083
14:15	Jess Devine †	Cycad Strontium Isoscape (CSI): A Forensic Tool to Combat Poaching of Endangered South African Plants	111
14:30	Gabriel Bowen	Stable carbon isotopes in enamel carbonate of modern U.S. humans	007
14:45	Cheuk Ying Leung	Multi-Isotope Approaches Reveal Seafood Provenance, Feeding Histories, and Contaminant Pathways in Urban Fish Markets	015

† Student Presenter

Time	Event/Presentation		Abstract
—— Lightning 2: Forensic & Paleoecology ——			
15:00	Chloe Hatten	Improving traceability of precious corals using stable isotope analyses in Hong Kong’s coral trade	057
15:05	Astrid Andersson	Toolkit to detect provenance of laundered, critically endangered cockatoos	075
15:10	Hannah Tilley	Baseline research: Stable isotopic labelling to protect native incense trees (<i>Aquilaria sinensis</i>) in Hong Kong SAR	117
15:15	Yuting Fan	Tree-Ring Stable Isotopes from Tianshan Mountains: Applications in Hydroclimate Reconstruction	034
15:20	Annie Bones †	Evaluating marine consumption in Brazilian coastal human populations using compound specific isotope analysis of amino acids	058
15:25	Kyle Brennan	Is the Shifting Habitat Mosaic of Salmon Production Repeatable?	140
15:30	Coffee Break		
—— Session 2C: Migration & Movement Ecology —— (Chair: Jonathan Cybulski)			
16:00	Alexandre Che-Pelicier †	Puzzling out Aotearoa New Zealand eels’ mysterious marine journey through particulate organic matter isoscapes and isotopic clues found in their eye lenses	035
16:15	Sora Kim	Identifying individual movement among groups within a metapopulation using stable isotopes	037
16:30	John A. Allcock	Stable isotope analysis and geolocator tracking suggest mixed migration strategies in White-shouldered Starlings (<i>Sturnia sinensis</i>)	026
16:45	Marrissa Miller †	Toward a global insect δ²H isoscape	066
17:00	Evgeny Genelt-Yanovskiy	Tracing the provenance of blue whale <i>Balaenoptera musculus</i> in the early decades of 20th century industrial whaling at South Georgia	099
17:15	Megan Reich	Follow the lead: Constructing foliar Pb isoscapes in eastern Canada to assess geolocation potential	014

† Student Presenter

WEDNESDAY - 14 OCTOBER 2026 (Field Trips)

There is no scientific program on this day. All field trip times and locations are subject to change; please check the email itineraries with details that will be sent out prior to each trip.

Time	Field Trip	Meeting Location
8:30 - 15:00	Hong Kong's iconic Mai Po Nature Reserve tour - Bird watching and Mangrove exploration	The University of Hong Kong
12:30 - 15:30	Discovering Tai Po - Gem of the New Territories! Urban markets and lifestyle	Tai Po Market Station
10:00 - 16:00	Breathtaking views and scenery of a neotropical island: an easy hike on Lamma Island	Central Pier No. 4
15:00 - 20:00	Bring out the food! Tasting the delights of Hong Kong streetfood in Kowloon	Yau Ma Tei Station
8:30 - 16:30	The big blue - a diving and snorkelling trip around Hong Kongs Geopark	The University of Hong Kong

THURSDAY - 15 OCTOBER 2026

Time	Event/Presentation		Abstract
9:15	Welcoming Remarks		
	— KEYNOTE —		
9:30	Christopher Wall	Energy channels and nutrient plasticity in reef building corals	
10:30	Coffee Break		
	— Session 3A: Paleoecology & Archaeology II — (Chair: Jonathan Cybulski)		
11:00	Matthieu Leray	Marine trophic niche evolution across the Isthmus of Panama	030
11:15	Laury Açaf	“To Use or Not to Use: Assessing the Reliability of CSIA-AA $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ Signals in Archaeological Marine Matrices”	033
11:30	Christina Cheung	Marine Ecological Changes in Hong Kong over the Last Two Millennia: Insights from Compound Specific Isotope Analysis of Fish (Labridae) Amino Acids	081
11:45	Sven Brömme	From Roots to Seeds: Inter- and Intra-Plant Variation of $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ across an African Savanna Ecosystem	031
12:00	Michael Polito	Are penguins “what they drink”? Relationships between eggshell carbonate and water oxygen stable isotope values and implication for modern and paleoecological studies	052
12:15	Qian Huang	From baseline to food webs: amino acid-specific $\delta^{15}\text{N}$ in bivalve shells and fish bones over the last millennium in the North Sea	079
12:30	Lunch		
	— Session 3B: Ecophysiology & Nutritional Stress — (Chair: Shelby McIlroy)		
14:00	Garrett Savory	Amino acid $\delta^{15}\text{N}$ values predict body condition status in a captive population of muskoxen	062
14:15	Madison Sherritt †	Reproductive Investment Strategies of a Long-lived Arctic Giant	101
14:30	Joseph Brennan	Hydrogen Stable Isotope Proxies Reveal Divergent Symbiodiniaceae Metabolic Strategies under Thermal Stress	141
14:45	Elayna Daniels †	$\delta^{13}\text{C}$ Amino Acid Signatures as Indicators of Nutritional Stress in Seabirds	064

† Student Presenter

Time	Event/Presentation		Abstract
—— Lightning 3: Trophic & Food Web Ecology II ——			
15:00	Sydney Moyo	Freshwater inputs restructure basal resource use by animal consumers along a coastal salinity gradient	093
15:05	Novia Kayfetz-Vuong †	Calibrating the SIBER mixotrophy spectrum: quantifying nutrient inputs in three corals with different trophic strategies using stable isotope tracing	016
15:10	Yun Scholten †	Linking coral trophic plasticity to reef restoration outcomes	012
15:15	Roberta Di Ganci †	Trophic niche dynamics of the blue crab <i>Callinectes sapidus</i> Rathbun, 1896 across native and invaded areas: insights from carbon, nitrogen and sulphur stable isotopes	009
15:20	Priscilla Wehi	Rats on islands: Kiore (<i>Rattus exulans</i>) isotopic niche in five New Zealand island populations	051
15:25	Coffee Break		
—— Session 3C: Marine Trophic Dynamics II —— (Chair: David Baker)			
16:00	Lin Qi †	Detritus-dominated energy flow acts as a stabilizer for food web structure in Southern Ocean regions with low net primary production	047
16:15	Grégoire Saboret	Ontogenetic dietary shifts shape rockfish dietary niches revealed by bulk and amino acid-specific isotopes in eye lenses	039
16:30	Shelby McIlroy	The influence of trophic strategy on coral responses to increased nutrients and thermal stress	027
16:45	Kelsey Lowe †	Habitat preference drives stable isotope variation in the organic matrix of shark teeth	078
17:00	Sitti Zayda Halun	Feeding niche partitioning among little tuna species in Mindanao, Philippines revealed by stable isotope analysis	095
17:30 – 18:30	—— Town Hall ——		

† Student Presenter

FRIDAY - 16 OCTOBER 2026

Time	Event/Presentation		Abstract
9:15	Welcoming Remarks		
	— KEYNOTE —		
9:30	Xiaoyi Zeng	Soil invertebrates reduce plant nitrogen assimilation from decomposing litter in tropical but not temperate forests	
10:30	Coffee Break		
	— Session 4A: Plant & Aquatic Biogeochemistry — (Chair: Alex Wyatt)		
11:00	Yang Liu †	Tide-driven carbon cycling and export in the mangrove-coastal continuum: insights from stable isotopes	023
11:15	Clement Bataille	Multi-Proxy Annual Profiles in Narwhal Tusks Reveal Biogeochemical Baseline Restructuring Under Rapid Arctic Change	132
11:30	Fan Wang	Eutrophication Alters Biogeochemical Cycling in Mangroves: Evidence From Nitrogen and Phosphate Oxygen Isotopes	032
11:45	Youping Zhou	Microbial role in shaping the land plant leaf alkane-versus-chain length profiles	049
12:00	Wenting Feng	Calcium's dual roles invert the salinity–water use efficiency relationship in a dominant C ₄ desert shrub	067
12:15	Vinícius Urbano †	Tracing methane-derived carbon in aquatic food webs: insights from stable isotope mixing models	042
12:30	Lunch		
	— Session 4B: Anthropogenic Impacts & Pollution — (Chair: Benoit Thibodeau)		
14:00	Caroline Dingle	Prevalence and source of microplastics in pellets of the Great Cormorant <i>Phalacrocorax carbo sinensis</i>	038
14:15	Oren Levy	Beyond Plasticity: Integrating Isotopic Signatures to Trace Coral Trophic Disruption	123
14:30	Débora Reis de Carvalho	Stable isotopes as a tool to assess anthropogenic impacts on aquatic food webs in tropical ecosystems	124
14:45	Lukáš Veselý	“Hey Bro, Don’t Bite Me”: Wastewater Promotes Cannibalism in Brown Trout population	126

† Student Presenter

Time	Event/Presentation		Abstract
—— Lightning 4: Biogeochemistry & Methodologies ——			
15:00	Yang Xia	Nitrogen form reorganizes intramolecular ¹³ C partitioning and shapes plant respiratory δ ¹³ CO ₂	029
15:05	Natalie Pernicova	Advancing tree physiological interpretation using combined carbon isotope-based intrinsic and evaporative water-use efficiency metrics	024
15:10	Emilio Guzmán Álvarez †	Isotopic signals of Carbon and Nitrogen in marine invertebrates as indicators of wastewater pollution in reef lagoons of the Mexican Caribbean.	068
15:15	Ying Ma	Coordinated water-use strategies and species coexistence of plant communities from rainy to post-rainy seasons in a headwater catchment of Baiyangdian watershed, northern China	073
15:20	Wang Hay Kan	Selective Electrochemical Enrichment of Lithium Isotopes Enabled by Diffusion–Reaction Coupling in Functional Materials	061
15:25	Coffee Break		
—— Session 4C: Methodological Advances —— (Chair: Christina Cheung)			
16:00	Philip Riekenberg	Decomposition-induced change in stranded megafauna: Decoupling post-mortem impacts from the isotopic niche	077
16:15	Ahmani Browne †	An isotopic smile: Stable isotopes and radula morphometrics reveal the dietary composition in <i>Littoraria irrorata</i>	107
16:30	Claudio Quezada-Romegialli	Integrating compound-specific isotope analysis (CSIA-AA) into Bayesian trophic position models: extending tRophicPosition for unified bulk and amino acid δ ¹⁵ N inference	001
16:45	Joshua Bennett-Williams †	Evaluating Bulk and Amino Acid Isotope Approaches for Reconstructing the Trophic Structure of Market-Derived Fish Assemblages	022
17:00	Roman Zubarev	Is it time to retire Δ?	125
17:15	Closing Ceremony		

† Student Presenter

POSTER SESSION (Monday, 12 October 2026)

Poster No.		Presentation	Abstract
Section 1: Biogeochemistry			
B-01	Joshua Pi	Amino acid isotopes reveal sources and degradation of organic matter in mangrove and mudflat sediments	004
B-02	Marcelo Costa Muniz	Understanding the landscape evolution of the Fildes Peninsula (King George Island, Antarctica) through carbon and nitrogen analyses.	005
B-03	Eva Martinková	Mobility and isotopic behavior of hazardous elements in e-waste dusts from different processing lines: Implications for environmental fate and source apportionment	025
B-04	Alina Siegl †	Seasonal shifts in carbon and nitrogen processing drive greenhouse gas dynamics in termite mounds	072
B-05	Mafalda Isidro †	Mapping nutrient dynamics on Palmyra Atoll using macroalgal stable isotopes	080

Section 2: Methodological Advances			
M-01	Fengjin Qu	Combined Electrochemical Impedance Spectroscopy and Neutron Activation Analysis for Lithium Isotope Determination in Ceramic Materials	059
M-02	Hua Yang	Electrochemical Impedance Spectroscopy for Lithium Isotope Quantification Enabled by Defect-Engineered Fast Ionic Conductors	060
M-03	Alan Fritsch †	Developing a novel non-invasive methodology for stable isotope sampling on crustaceans	085
M-04	Yuanyuan He	Extending nitrogen isotope ecology into deep time using amino acids preserved in dental enamel	091
M-05	Jana Storsberg	Amino acids from dental enamel: A foundation for compound-specific isotope analyses	112
M-06	Brian Hayden	Individual variability in the isotopic composition of fish scales revealed by LA-IRMS	142

† Student Presenter

Poster No.		Presentation	Abstract
—— Section 3: Forensic & Migration Ecology ——			
F-01	Tracey-Leigh Prigge	Multivariate stable isotope analyses reveal geographic origins and habitat use of trafficked pangolins	040
F-02	Michael Polito	Pour Some Sugar in Me: Using stable isotopes to characterize and quantify ketchup sweeteners	053
F-03	Uva Fung †	Exploring the potential of SIA for conservation forensics of incense trees (<i>Aquilaria</i> spp.)	074
F-04	Sitti Zayda Halun	Ontogenetic shifts and spatial connectivity in otolith carbonate $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ of tropical tunas in the southern Philippines	094

—— Section 4: Paleoecology & Archeology ——			
P-01	Chris Stantis	That other isotope repository: utilizing IsoArch for ecological research	065
P-02	Karolina Joka	Stable Isotope Analysis of Perennial Plants in Archaeology: New Perspectives and Applications	069
P-03	Laura Arppe	IsoMuseomics: Integrating stable isotopes and museum genomics to reconstruct ecological and evolutionary change in Lepidoptera	076
P-04	Kaiden Sykes †	Exploring the foraging ecology of recently-extinct Hispaniolan sloths using stable carbon and nitrogen isotopes	088
P-05	Clemens Vinzenz Ullmann	Isotopic constraints on the ecology of extinct cephalopods	090
P-06	Maciej Krajcarz	Essential amino acid isotope fingerprinting of dietary niches in Quaternary large mammals: from woolly mammoths to modern forest ungulates	104
P-07	Jason Newton	Raptors Unwrapped: Stable Isotopes Reveal Origins, Diet, and Capture Strategies of Mummified Birds of Prey in Ancient Egypt	128
P-08	Christopher Vournazos †	Reconstructing dinosaur diets in ancient ecosystems using multi-proxy tools	138
P-09	River Edwards †	Ostrich Eggshell Beads as Proxies for Hunter-Gatherer Social Networks in the Later Stone Age of Southern Africa	139
P-10	En-Bi Choi	Tree-ring $\delta^{18}\text{O}$ cross-dating between Korea and Japan across different historical periods	143

† Student Presenter

Poster No.	Presentation		Abstract
—— Section 5: Trophic & Food Web Ecology ——			
T-01	Yu-De Pei †	Tracing Nutrient Inputs Driven by Internal Waves on a Remote Atoll Reef with Stable Isotopes: A Preliminary Study	013
T-02	Samuel Webster †	Investigating the trophic strategies of sympatric forest-forming black corals across a shallow-to-mesophotic depth gradient	017
T-03	Lamberto Montagna †	Carbon source utilisation by crabs across the mangrove-saltmarsh ecotone: a stable isotope approach	019
T-04	Joshua Bennett-Williams †	Manta Mucus: Its Sticky and Tricky Application as an Isotopic Tracer of Trophic Ecology	021
T-05	Vinícius Urbano †	Community structure drives isotopic niche breadth of a non-native freshwater fish	041
T-06	Andres Rodriguez †	Mechanistic controls on threonine $\delta^{15}\text{N}$: testing enzymatic and microbiome hypotheses	086
T-07	Anjalis Mishra †	Conservation of Tropical saltmarshes to sustain commercially important crab fisheries and blue economy: Evidence from the Indian mangrove mud crab <i>Scylla serrata</i>	096
T-08	Anna Genelt-Yanovskaya	Trophic interactions among fishes in coastal nursery habitats of the Gulf of Finland, the Baltic Sea.	097
T-09	Evgeny Genelt-Yanovskiy	Shifts in Patagonian shelf marine communities from 19th to 20th centuries traced from changes in isotopic composition of South American fur seal bone and teeth museum specimens.	098
T-10	Anton Höper	Ontogenetic dietary and habitat shift of Western Baltic cod (<i>Gadus morhua</i> , L. 1758) during settlement transition assessed with stable isotope and stomach content analysis	100
T-11	Magdalena Krajcarz	Tracking individual dietary choices in complex past food webs: integrated bulk collagen and compound-specific stable isotope analysis of urban cats	103
T-12	Cory Matthews	Physiological individuality confounds trophic inference: an overlooked axis of long-term individual isotopic variation	108
T-13	Agnieszka Jędruch	Trophic plasticity of <i>Odontaster validus</i> under variable environmental and human impact in Antarctic coastal ecosystems: a stable isotope approach	116

† Student Presenter

Poster No.	Presentation		Abstract
—— Section 5: Trophic & Food Web Ecology (cont.) ——			
T-14	Vytautas Rakauskas	Invasive <i>Neogobius fluviatilis</i> in the Nemunas River basin: trophic role and overlap with native benthivorous fish	119
T-15	Vytautas Rakauskas	Taxonomic sufficiency in the isotopic niche approach of lake macroinvertebrate assemblages: the effects of taxonomic resolution	120
T-16	Isaiah Rothschild	Studying the Diet of Deep Reef Fishes Through Bulk Stable Isotope Analysis	121
T-17	Agnieszka Jędruch	Triple-isotope insights into the trophic ecology of benthic macrofauna from Admiralty Bay, Antarctica	130
T-18	Jimena Paredes de la Vega †	The Gorgonian-Symbiont Partnership: Nutritional Dynamics Revealed by Stable Isotope Analysis	131
T-19	Dorothee Kopp	Variations in the trophic niche of elasmobranchs: rays' stable versus sharks' adaptative niches	134

† Student Presenter

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