

GLIER STUDENT SYMPOSIUM SCHEDULE

THURSDAY, APRIL 5

TIME	PRESENTER
10:20 a.m.	Tracking ecosystem responses: patterns in diatom assemblages and their relationship to environmental changes Mariam Ageli
10:35 a.m.	Shining light on phototrophic bacteria: a syntrophy of teamwork for hydrocarbon degradation Thomas Reid
10:50 a.m.	Kickin' up dirt: linking sediment contribution to pathogen activity in near shore freshwater systems Danielle VanMensel
11:05 a.m.	Assessing the Microbial Community and Function of BioCord Bioreactors in Lagoon Wastewater Treatment Adam Skoyles
11:20 a.m.	Microbial Function in Healthy and Contaminated Sediments of the Lower Great Lakes; Applications of Molecular and Chemical Tools Nick Falk
Section II	
12:40	Local Immune Adaptation of Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) populations Farwa Zaib
12:55 p.m.	The impact of male quality on realized fitness in Snow Buntings Keta Patel
1:10 p.m.	Diel Variation in Microbial Community Dynamics in Freshwater Ecosystems Abdolrazagh Hashemi Shahraki
1:25 p.m.	A 'snapshot' of reintroduced Atlantic salmon distribution using environmental DNA Nabeelah Lulat
Section III	
2:00 p.m.	Exploring the bioenergetics consequences of polar bears foraging on a novel diet of common eider eggs on East Bay Island, Nunavut Patrick Jagielski

2:15 p.m.	Scent Enhancement in Juvenile Lake Sturgeon Marlena McCabe
2:30 p.m.	The effect of early life exposure to alarm cue on anti-predator responses in Atlantic salmon Ali Mokdad
2:45 p.m.	Pre-natal cortisol exposure lowers salmon offspring energetic costs to temperature spikes when raised in elevated temperatures Theresa Warriner

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Section IV	
10:20 a.m	Movement patterns, habitat use, and predation risk of juvenile fishes in a predator-rich environment Amy Weinz
10:35 a.m.	Determination and application of the optimal species distribution model for arthropod vectors based on environmental suitability Justin Barker
10:50 a.m.	Post-surgical performance of acoustically tagged salmonids Andrew Darcy
11:05 a.m.	Movement and habitat use of a reintroduced fish: bloater (<i>Coregonus hoyi</i>) in Lake Ontario Natalie Klinard
11:20 a.m.	Top predator interactions in a large lake and implications for species restoration – converging “western” science and traditional ecological knowledge Silviya Ivanova
Section V	
12:30	DNA methylation differences among Chinook salmon populations reflect environmental context Clare Venney
12:45	Early detection of the invasive biofouling bivalve golden mussel: methods development and optimization Zhiqiang (Dylan) Xia
1:00	Detection of endangered fish in Plateau lakes, China, using eDNA

	Kai Zhang
1:15	Bacterial community profiling of South Ontario Lakes Javad Sadeghi
1:30	The Inheritance of the Microbiome in Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) Mubarak Ziab
Section VI	
2:05	Modeling polychlorinated biphenyls and mercury bioaccumulation by fish Shifeng Yao
2:20	A Threshold Crossed: Mercury in Landlocked Arctic Char as a Tracer for Ecosystem Processes in High Arctic Lakes Karista Hudelson
2:35	Application of a Spatially Explicit Food Web Bioaccumulation Model to Predict PCB Exposure Sources for Sport Fish in the Detroit River Jingyuan Li
2:50	Maternal Offloading and its role in sex-based differences in contaminant concentrations in teleost fish; a literature review Sweetha Robin Samuel