PISCeS 2023 eDNA Conference Agenda
Schedule of Poster Presentations
June 18-20

Version v.1

Welcome to the 2023 **P**athway to **I**ncrease **S**tandards and **C**ompetency of **e**DNA **S**urveys International Conference at the University of Guelph. All events will take place across campus in the Summerlee Science Complex (SSC), Rozanski Hall (ROZH), and Creelman Hall (CRLM) buildings.

Sunday, June 18th and Monday, June 19th

SSC Atrium

Poster #	Presenter	Title	Institution
1	Kathryn Austin	Assessment of microbial, fungal and arthropod biodiversity of Miyawaki Forests in Ottawa using metabarcoding	University of Guelph
2	Shelby Dyment	Have they been hiding?: Searching for the Slimy Sculpin (*Cottus cognatus*) and brook floater mussel (*Alasmidonta varicosa*) in rivers of Western Prince Edward Island (Canada) through environmental DNA	University of Prince Edward Island
3	Kathleen Nolan	Detection of brook trout in spatiotemporally separate locations using validated eDNA technology	University of Guelph
4	Cailyn Zamora	Using environmental DNA barcoding and conventional methods for species detection of Southern Ontario amphibians	University of Waterloo
5	Jessica Schultz	Evaluating the impacts of wood waste on benthic biodiversity	University of Guelph
6	Nina Yang	Policy applications for Ocean Twilight Zone eDNA-based biodiversity assessments	Woods Hole Oceanographic Institution
7	Kayley Head	Validating qPCR and Metabarcoding methods for eDNA surveys of the endangered Topeka shiner (*Notropis topeka)* in native freshwater ecosystems of the American Midwest	University of Guelph
8	Annie Dysart	Developing a framework to use eDNA quantitatively at a provincial scale for 4 fish species in Prince Edward Island, Canada	University of Prince Edward Island

9	Nathan Zeinstra	gBlock™ Not Suitable for qPCR Pre-Extraction Endogenous Positive Control	University of Guelph
10	Erik García-Machado	Evaluating sampling strategies to survey fish diversity in lakes from temperate zones	Université Laval
11	Alex Borisenko	A lab-centric, workflow-based data management framework for eDNA research	University of Guelph
12	Kyle Knysh	Differentiating crustacean assemblages between estuaries in Prince Edward Island (Canada) through eDNA metabarcoding of sediment and water samples	University of Prince Edward Island
13	Joshua Lannan	Comparing active filtration of eDNA and passive adsorption in a lotic environment	University of Guelph
14	Louie Lopez	Choosing RNA for diversity studies: using metatranscriptomics in characterizing complex metazoan communities	University of Victoria
15	Kimberly Métris	A new high integrity capture system for aerial genetic surveys	Airborne Science
16	Kevin Morey	Haplotype Diversity Reveals Challenges and Opportunities for Developing Targeted Detection Assays for COI in Canadian Freshwater Fish	University of Guelph
17	Robert Young	qPCR data analysis and visualization with Molecular Detection Mapping and Analysis Platform in R 2.0 (MDMAPR 2.0)	University of Guelph
18	Tessa Rehill	Comparing community similarity through eDNA sampling and scientific trawl surveys on the coast of British Columbia	McGill University
20	Chris Wilson	Improving Environmental DNA (eDNA) Reliability for Resource Management	MNRF
21	Ashley Chen	Uncovering the hidden pathway: Molecular biosurveillance reveals the introduction of multiple regulated and invasive species' eDNA via shipping containers	University of Guelph
22	Eric Bonk	eDNA Data Collection Techniques Detect Predators at Higher Rates Than Electrofishing	University of Guelph
23	Maris Goodwin	Evaluating the impacts of glacial retreat on estuarine communities in the Gulf of Alaska using eDNA metabarcoding	University of Alaska
24	Limoilou-Amélie Renaud	How does environmental DNA fit within the value systems of land users? A case study in Abitibi-Témiscamingue	Université du Québec
25	Jessica Castellanos Labarcena	Exploring geographic patterns of intra and interspecific diversity for advancing eDNA applications in biodiversity assessment and environmental monitoring	University of Guelph
26	Mariana Blanco	The Good, the Bad, and the Low-Abundant: A Review of eDNA Metabarcoding Data Analysis & Curation	University of Guelph