

Saturday, April 4th

PEEC'26

**Breakfast: 7:30-8:30 AM (Cafeteria)**

**Welcome and Opening Remarks: 8:30 AM (Rix)**

**Session 1: 9:15-10:45 AM**

**Room A: Parasite & Disease Ecology**

9:15	Shabnam Shadloo	Human disturbance is often associated with higher pathogen prevalence in seabirds
9:30	Ethan Dupuis	The diet and parasites of American bullfrogs on Vancouver Island
9:45	Noah Kumada	The diet and parasites of American bullfrogs on Vancouver Island
10:00	Owen Kui	Hostile takeover: investigating parasite-driven behaviour in <i>Batillaria attramentaria</i>
10:15	Kanav Bajaj	[TBA]
10:30	Paloma de la Vega Verano	Starting hot: Interactive effects of early thermal stress on desiccation and pathogen responses in <i>Nucella ostrina</i>

**Room C: Seaweeds & Population Genetics**

9:15	Elliot Porcher	Crusts of a different colour: bleaching and stress physiology of the high intertidal coralline algae <i>Chamberlainium tumidum</i>
9:30	Risa Ogushi	Assessing the phenology of a coralline alga in northern California
9:45	Ruby Burns	Holding Tight! How kelp holdfast shape reflects their environment
10:00	Sia Agarwal	Intertidal Macroalgae Canopy Effect on Understory Recruitment and Community Structure
10:15	Cory Chamberland, Ross Moser, Sacha Watson-Deegan, Alex Hutchison	Kelp Resurvey Reveals Range Contraction Linked to Warming Oceans
10:30	Alec Jones	Herbivory-mediated constraints on kelp recovery: assessing the role of mesograzers
10:35	Helena Tremblay	Survey of bull kelp population genetics over the last 130 years in Monterey, CA
10:40	Emma Richardson	Molecular ecology of Pacific marten ( <i>Martes caurina</i> )

**Coffee Break: 10:45–11:00 AM****Session 2: 11:00 AM - 12:30 PM****Room A: Fish & Fisheries**

11:00	Dave Scott	Novel application of “Fit-chips” to reveal physiological status in subyearling migrating Chinook salmon in the Fraser River estuary, B.C.
11:15	Ellery Messenger Ford	Assessing the Nearshore Impacts of Recreational Fisheries on Vancouver Island
11:30	Shelby Connelly	In a pickle: How do sea cucumbers recolonize harvested areas?
11:45	Mykaela Tucker	Repeated evolution of pelvic spines in Brook Stickleback
12:00	Esteban Perez Andresen	The Evolution of Active Sound Production in Fishes
12:15	Katrina Wynne	Refuge or Risk? How seasonal floods influence floodplain wetland conditions for fish communities
12:20	Ki Chung Cho	The ubiquity of fishery interactions with endangered, threatened and protected species
12:25	Carter Burtlake	Global abalone restoration strategies and where we stand in recovering a species at risk

**Room C: Ecology & Ecophysiology**

11:00	Alejandra Ariza	Heat waves in tide pools: Will juvenile invertebrates survive?
11:15	Julie Sieg	Trophic level shifts of ectothermic omnivores under warming conditions
11:30	Juliana Dioquino	Impacts of heat waves and lengthened growing seasons root biomass
11:45	Connor Church	Low Salinity Decreases Hairy Hermit Crab Grazing and Sensory Behaviour
12:00	Lexy Reinhardt	Wave-Swept Slugs and Contracting Sponges: Field-Based Insights into Animal Coordination
12:15	Bekah Walton	Hermit Crab Use of Gastropod Shells in the Intertidal
12:20	Emily Palmer	Effects of substrate variation on colour pattern and background matching in <i>Hemigrapsus oregonensis</i>
12:25	Drew Kuipers	Insect Diversity in a Native Plant Restoration Plot on Campus

**Lunch: 12:30-1:30 PM (Cafeteria)****Session 3: 1:30-2:45 PM (Rix)****Room A: Ecotoxicology & Spatial Ecology**

1:30	Sandra Jaskowiak	Temporal changes in Lake Melville ringed seal diet and mercury concentrations: Influence of hydroelectric developments and a changing climate
1:45	Alexandra Gregg	A Century of Environmental Change Archived in Teeth of Endangered St. Lawrence Estuary Beluga
2:00	Emily Mahony	Uncovering Spatial Localizations of Paralytic Shellfish Toxins with Mass Spectrometry Imaging
2:15	Sean Chung	Effect of pollutants and warming on urban aquatic invertebrate interactions
2:30	Mina Hassan Aghaei	Concentrations and seasonal variability of pesticides in salmon bearing waterways of British Columbia, Canada
2:35	Alysia Boudreau	Scarcity or Preference? Structural Availability and Den Site Use by Black Bears in the Forests of Vancouver Island
2:40	Eric MacDowell	Spatial Relationship between Pacific Herring Spawn and Grey Whales, Vancouver Island

**Room C: Collaborative Science & Invasive Species**

1:30	Judith van den Boom	Designing for Interdependence: New Methods for Design–Ecology Synergies
1:45	Chiara Sedola	Establishing a Native Plant Phenology Project Using Citizen Science Platforms
2:00	Tom Zhang	Divergent Foraging Behavior of Chinook and Coho Salmon
2:15	Kai Muir	Pacific herring historical ecology in the Strait of Georgia
2:30	Ellie Anderson	Impacts of Invasive snails on the Nitrogen Budget of Mudflats
2:35	Aliyah Giesbrecht	<i>Cercaria batilliariae</i> survey in <i>Batillaria attramentaria</i> and influences on parasitic prevalence
2:40	Alex Ker, Hailey Fedoruk	Exploring Applied Research in a Shellfish Hatchery: Innovations in Oyster Aquaculture

**Afternoon Break: 2:45-6:00 PM****Nova Harvest Tour**

3:00-3:30 PM

Meet outside Buchanan for the short walk to Nova Harvest for a tour. Nova Harvest Ltd. is an aquaculture company that applies innovative, science-based solutions to support the development of a sustainable shellfish industry in BC, located next to BMSC.  
([www.novaharvest.com](http://www.novaharvest.com))

**Brady's Beach/West Bamfield & iNaturalist BioBlitz**

3:00-6:00 PM

Meet on foreshore for boat shuttles to west side from 2:45 to 3:45 PM ; return boats from West Side dock from 5:00 to 6:00 PM  
Come meet our volunteer experts at Brady's Beach and get your BioBlitz on!

**Dinner: 6:00-7:00 PM (Cafeteria)****Poster Session: 7:00-8:30 PM (Rix Atrium)**

Deniz Coskuner	Temporal Dynamics of Nearshore Zooplankton Communities in the Strait of Georgia assessed using Zooscan
Emily O	Measuring hydrocarbon pollution across the Salish Sea: Assessing Risks to Endangered Southern Resident killer whales and Chinook salmon
Emma Trotta	Detection and removal of microplastic contamination in Kamloops municipal compost
Justin Boissinot	Do plants adapt to climate change using the same genes?
Kaytlyn Tasalloti	Investigating the Complexity of Genomic Epidemiology and Evolution of <i>Tenacibaculum</i> spp. in Wild and Aquaculture Salmon Populations in British Columbia
Lisa Zhang	Substratum use by the acorn barnacle: soft sediment versus rock
Marcel Du Plessis	Shore elevation and shell pigmentation shapes <i>Vibrio</i> communities in intertidal Pacific oysters
Matt Bakken	Assessing kelp forest biodiversity in the Salish Sea
Matthew Peck	The Tam Gandlaay project: Drought Mitigation in a Culturally Important Salmon Stream.
Phoebe Keran	Artificial turf particles leach toxins harmful to <i>Daphnia</i>
Tallis Dixon	Determination of triglyceride levels in <i>Nucella ostrina</i> using quantitative NMR spectroscopy
Tess Weaver	Paralytic Shellfish Toxins in Food, Social, and Ceremonial Species
[TBA]	[TBA]

Saturday, April 4th

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**Dance: 9:00 PM—12:00 AM (Rix)**

**Theme: Hyper Hybridization**

Mix-and-match your favourite species into a one-of-a-kind costume!

## Sunday, April 5th

**Breakfast: 9:00-10:30 AM (Cafeteria)**

**Keynote Speaker: 11:00 AM (Rix Room A)**

**Dr. Keiran Cox**

[TBA]