

Past Honours Thesis Titles in Biology

2022

Supervisor(s)	Project Title
Jürgen Ehling & Patrick Walter	The bioactivity of Poplar root extracts as a novel treatment for iron overload in a THP-1 cell culture model
Patrick Walter & John Taylor	The Association Between Parkinson's Disease and Melanoma: Examining Light at Night as a Potential Factor and Modelling the Effect of Light an in vitro N2a Model
Kerry Delaney	LONG-TERM DEPRESSION IN THE AMERICAN BULLFROG VOMERONASAL TO ACCESSORY OLFATORY BULB SYNAPSE FROM PROLONGED LOW-FREQUENCY CONDITIONING
Nicole Templeman & Brian Christie	Cell proliferation in the hippocampus of adult female rats after repeated mild traumatic brain injury
Jürgen Ehling & Patrick Walter	The Role of Light at Night in Parkinson's Disease and Prostate Cancer
Dave Punzalan	MECHANISMS OF SEXUAL SELECTION ON FORELIMB LENGTH OF MALE INTERTIDAL JUMPING SPIDERS (<i>Terralonus californicus</i>) AND AN INVESTIGATION INTO INTRASEXUAL AND INTERSEXUAL BEHAVIOURS
Neville Winchester & Steve Perlman	Seasonal dynamics of an urban leafhopper community in Metchosin, British Columbia: investigating diversity trends, parasitoid (Hymenoptera: Dryinidae) relationships, and the potential for a defensive symbiosis
Tom Reimchen	Phenotype frequency and isotopic signatures of <i>Littorina obtusata</i> on three algal substrates following the establishment of <i>Fucus serratus</i> in Nova Scotia
Steve Perlman	Host Benefits of a Novel Endosymbiont: Interactions Between a Defensive Spiroplasma and a Specialist Nematode in <i>Drosophila</i>
Kerry Delaney	Establishing a new protocol to investigate sensory adaptation in a mouse model of Rett Syndrome
Kim Juniper	Quantifying microeukaryote grazing rates and community composition across an oxic/anoxic gradient in Saanich Inlet, a seasonally anoxic fjord
Peter Constabel	Confirmation of UGT71L1's role in salicinoid biosynthesis using transgenic rescue and overexpression poplars
Marie-Eve Tremblay & Raad Nashmi	Effects of fractalkine signaling deficiency on microglial diversity and ultrastructure in aged male and female mice
Tom Reimchen	Ecological adaptation to novel niche space in colonizing Stickleback (<i>Gasterosteus aculeatus</i>)
Nicole Templeman	Characterizing how intermittent and single periods of fasting affect age-related reproductive decline in <i>Caenorhabditis elegans</i>
Francis Juanes & Bill Halliday	The influence of boat noise on wild plainfin midshipman (<i>Porichthys notatus</i>) vocalizations

Peter Constabel	Investigating the Effects of Altered Root Proanthocyanidin Concentration on the Establishment of Ectomycorrhizal Symbiosis in <i>Laccaria bicolor</i> and <i>Populus tremula x Populus tremuloides</i>
Gerry Allen	Mating system and niche breadth in sister species of <i>Erythronium</i> in the Pacific Northwest: a study using Ecological Niche Modelling
Bob Chow	Regulation of Paired Box Gene 6 (PAX6) expression in the forebrain lateral ventricular zone by miR-7 in postnatal mice
Rana El-Sabaawi	Quantifying variability in bone mineral density in marine populations of the threespines tickleback (<i>Gasterosteus aculeatus</i>)
Julia Baum	Local environmental conditions predict spatial transitions in seaweed structural complexity in a rocky intertidal ecosystem
Julia Baum	Investigating 50 years of change in the community composition of intertidal seaweeds along the coast of Victoria, BC
Greg Owens	Rapid turnover and evolution of sex-determining regions among <i>Sebastes</i> rockfish
Francis Juanes	Spatial navigation and maze learning in a fish with alternative reproductive tactics, the plainfin midshipman, <i>Porichthys notatus</i>
Tom Reimchen	Trophic and Morphological Responses of an Endemic Population of Three-spine Stickleback (<i>Gasterosteus</i> sp.) to an Invasive Amphibian