

TIME	NAME	LENGTH	AREA	SUPERVISOR(S)	TITLE
April 11th: Room A180, Jamie Cassels Center (Wing A)					
SESSION 1					
9:15	Introductory remarks: Department Chair, MC: Muskan Karmani				
9:20	Lane, Sarah	12min	Forest Biology	Dr. Juergen Ehlting	Plants to people to Parkinson's: plant stress strategies may treat human disease
9:35	Innes, Katie	3min	Marine Biology	Dr. Francis Juanes	The overwinter diets of juvenile Chinook salmon in the Strait of Georgia
9:40	Anderson, Christopher	12min	Neuroscience, Cell, and Molecular Biology	Dr. Bob Chow	Post-Transcriptional Regulation of Vsx1 in the Developing Mouse Retina
9:55	Buzzoni, Daisy	12min	Marine Biology	Dr. Julia Baum	Coral symbiont co-dominance and cryptic diversity loss following record-breaking heatwave
10:10	Hayward, Emma	12min	Forest Biology	Dr. Juergen Ehlting	Swiss Needle Cast: does the microbiome matter?
10:25-10:45 - COFFEE					
SESSION 2					
10:45	MC: Muskan Karmani				
10:50	Piirtola, Eerik-Mikael	12min	Forest Biology	Dr. Peter Constabel	Poplar leaf bud resin metabolomics – seasonal patterns of leaf bud resin chemistry
11:05	Chundekkad, Pavitra	12min	Neuroscience, Cell, and Molecular Biology	Dr. Gautam Awatramani	Inhibition in the orientation selective circuit of the mammalian retina
11:20	Gaffney, Leigh	3min	Marine Biology	Dr. Francis Juanes	Causes and consequences of vateritic otoliths in hatchery-reared Coho Salmon
11:25	Mokariasl, Niloufar	12min	Neuroscience, Cell, and Molecular Biology	Dr. John Taylor	Expression levels and expression domains of melanopsins during sablefish development.
11:40	Gray, Sierra	12min	Marine Biology	Dr. Amanda Bates and Dr. Christopher M. Pearce	Impacts of co-occurring climate stressors to juvenile oysters and bio-mitigation efforts
11:55	Zerr, Kaitlyn	12min	Marine Biology	Dr. Julia Baum	Eyes on the Reef: Using remote cameras to reveal the hidden habits of elasmobranchs

12:10-1:05 LUNCH**SESSION 3**1:05 **MC: Rebecca Crawford**

1:10	Black, Morgan	12min	Marine Biology	Dr. Francis Juanes	Do ancient indigenous clam gardens alter the diet of a generalist predator?
1:25	deRosenroll, Geoffrey	12min	Neuroscience, Cell, and Molecular Biology	Dr. Gautam Awatramani	Locally-tuned cholinergic signals contribute to direction coding in the retina
1:40	Heimrich, Annika	3min	Marine Biology	Dr. Francis Juanes	A changing Arctic soundscape: How bearded seals (<i>Erignathus barbatus</i>) cope vocally
1:45	Ellis, Sarah	12min	Ecology and Evolution	Dr. Rana El-Sabaawi	Does preservation alter bone phosphorous concentrations?
2:00	Rimmer, Talen	3min	Marine Biology	Dr. Francis Juanes	‘‘Kelp-ful AI’’: Using computer vision to assess the effects of seaweed farms on forage fish
2:05	Lawton, Margaret	12min	Neurobiology, Cell, and Molecular Biology	Dr. Ryan Gawryluk	Characterizing the diversity of microbial eukaryotes in oxygen minimum zones

2:20-2:40 COFFEE**SESSION 4**2:40 **MC: Rebecca Crawford**

2:45	Livingston, Michael	12min	Marine Biology	Dr. Diana Varela	Estimating marine carbon gel concentrations from multivariate regression models
3:00	May, Emily	12min	Ecology and Evolution	Dr. Rana El-Sabaawi	How bone affects vertebrate elemental demand and release
3:15	Davies, Hailey	3min	Marine Biology	Dr. Francis Juanes	Barotrauma injuries in Pacific rockfish species around Entrance Island, British Columbia
3:20	Wright-LaGreca, Marissa	12min	Marine Biology	Dr. Amanda Bates	Using probiotics to improve Pacific oyster survival against pathogenic bacteria

April 12th: Room A180, Jamie Cassels Center (Wing A)

SESSION 5

9:40 **MC: Wesley Greentree**

9:45	Csordas, Matthew	12min	Marine Biology	Dr. Julia Baum	Assessing the drivers of kelp distributions in British Columbia
10:00	McPolin, Claire	12min	Forest Biology	Dr. Barbara Hawkins	Ectomycorrhizal fungal endemism and rainforest nutrition in Pacific Northeast
10:15	Lancaster, Darienne	12min	Marine Biology Ecology and Evolution	Dr. Francis Juanes	Investigating non-destructive acoustic methods for monitoring vulnerable rocky reef fish
10:30	Hirabayashi, Kaede	12min	Marine Biology	Dr. Greg Owens	Lingonberry genomics and evolution
10:45	Crawford, Rebecca	12min	Marine Biology	Dr. Ryan Gawryluk and Dr. Diana Varela	Community structure of eukaryotic phytoplankton across Arctic and Subarctic Oceans

11-11:20 - COFFEE

SESSION 6

11:20 **MC: Wesley Greentree**

11:25	Clark, Lindsay	12min	Marine Biology Ecology and Evolution	Dr. Amanda Bates and Dr. Cherisse Du Preez	Monitoring cold-water corals and sponges in changing ocean conditions
11:40	Mickens, Ashley	12min	Marine Biology	Dr. Rana El-Sabaawi	Understanding effects of urbanization on aquatic ecosystems on Vancouver Island
11:55	Wyatt, Shea	12min	Marine Biology	Dr. Diana Varela	Do Arctic diatoms tolerate increasingly acidic conditions during growth?
12:10	Qualley, Jessica	3min	Marine Biology	Dr. Francis Juanes	Otolith stable isotopes differentiate migration patterns of Pacific Herring.
12:15	Rajendran, Ahalya	12min	Forest Biology	Dr. Peter Constabel	Characterizing an acyltransferase enzyme (SCPL-18) for salicinoid biosynthesis in poplar

12:30-1:30 LUNCH**SESSION 7**1:30 **MC: Prathyusha Ravi Chander**

1:35	Quindazzi, Micah	12min	Marine Biology	Dr. Francis Juanes	Otolith mineralogy affects otolith shape asymmetry
1:50	Woods, Mackenzie	12min	Marine Biology	Dr. Francis Juanes	How boat noise alters behaviour and vocalizations in plainfin midshipman fish
2:05	Radford, Julie	12min	Ecology and evolution	Dr. Steve Perlman	The persistence of a selfish X chromosome in a common woodland fly
2:20	Ravi Chander, Prathyusha	3min	Neuroscience, Cell, and Molecular Biology	Dr. Gautam Awatramani	Orientation selectivity in the population of ON-OFF DSGCs
2:25	Sykes, Nathan	12min	Ecology and Evolution	Dr. Greg Owens	Differential genetic diversity within a cooccurring clade of B.C. rockfish
2:40	Melville, Olivia	12min	Marine Biology	Dr. Diana Varela	How do tiny glass animals impact silicon cycling in the Pacific Ocean?

2:55-3:15 - COFFEE**SESSION 8**3:15 **MC: Prathyusha Ravi Chander**

3:20	Maucieri, Dominique	12min	Marine Biology	Dr. Amanda Bates	Impacts of habitat and temperature on temperate marine invertebrate communities
3:35	Abazari, Foad	12 min	Neuroscience, Cell, and Molecular Biology	Dr. Raad Nashami	Characterization of $\alpha 7$ and $\alpha 4\beta 2$ nicotinic cholinergic responses in L1 of cortex
3:50	Murchy, Kelsie	3min	Marine Biology	Dr. Francis Juanes	Sound production by three species of Pacific salmon recorded from captive spawning migrants
3:55	Young, Penelope	12min	Neuroscience, Cell, and Molecular Biology	Dr. Raad Nashmi	Investigating the role of the lateral nigrostriatal pathway in voluntary movement
4:10	Ens, Nicholas	12min	Marine Biology	Dr. John Dower	Characterization of mesopelagic communities in the eastern Gulf of Alaska in winter

4:25 Closing remarks: Dr. Rana El-Sabaawi**5:00-9:00 (Herald Street Brewery, Supper Provided)**