



## BotZoo Spring Symposium Schedule

April 23 2021



### Session One

10:00 am	Dr. Michelle Tseng	Warming affects body size, shape, and flight ability of an invasive butterfly
10:10 am	Nicole Noemi Bison	Drivers of seasonal variation in fire effects on tree crowns
10:20 am	Milad Alizadeh	A new repressor of embryonic program in Arabidopsis
10:30 am	Ryan Hoy	Repressors use histone modification complex to control seed development in Arabidopsis
10:35 am	Lei Tian	Deciphering the pathogenicity mechanism of a plant fungal pathogen <i>Sclerotinia sclerotiorum</i>
10:40 am	Question session	
10:50 am	Break	

### Session Two (a)

11:00 am	Dr. Adam Ford	Addressing polarization and misinformation in conservation
11:10 am	Jessica Kowalski	Connecting local and regional diversity patterns through dispersal
11:15 am	Darwin Sodhi	The Ecology and Evolution Dynamics of Winegrape Pathogens
11:20 am	Mackenzie Kinney	Hybridization as an evolutionary stimulus in a novel environment
11:25 am	Question session	

## Session Two (b)

11:30	Issac Borrego	Assessing and extending metabolic scaling theory for plant mortality using globally-distributed forest data
11:35	Alana Breitreutz	Blade development in the bull kelp <i>Nereocystis luetkeana</i>
11:40	Takuji Usui	Eco-evolutionary dynamics of range expansion across ecological gradients
11:45 am	Question session	
11:50 am	Break	

## Session Three (a)

12:00 pm	Dr. Duncan Leitch	Sensory circuit diversity
12:10 pm	Ken Thompson	Hybrid fitness after parallel evolution in stickleback
12:20 pm	Sam Livingston	The cellular context of metabolite production and trafficking in cannabis glandular trichomes
12:30 pm	Question session	

## Session Three (b)

12:35 pm	Dr. Sean Michaletz	Kinetic synchrony of leaf photosynthesis and respiration
12:45 pm	Jen Fisher	Brain Gene Expression and Hypoxia Tolerance in Hybrid Rainbow Trout
12:55 pm	Emma George	Cells within cells: Diverse bacterial symbionts of protists
1:05 pm	Question session	
1:10 pm	Break	

## Session Four

1:30 pm	Dr. Andrea Reid	Centering Indigenous Fisheries in '4R' Research, Teaching and Outreach
2:00 pm	Sasha McDowell	A Novel Receptor for High Salt Detection in <i>Drosophila melanogaster</i>
2:10 pm	Madison Earhart	Stress response in two killifish populations
2:20 pm	Josef Garen	Do the kinetics of photosynthesis control higher-level plant processes?
2:30 pm	Ariel Shatsky	The effect of temperature on heart rate during killifish embryonic development
2:40 pm	Question session	
2:50 pm	Break	

## Session Five (a)

3:00 pm	Dr. Kota Mizumoto	Plant genetics meets neuroscience: Using auxin-inducible degron system to uncover novel functions of a neuronal cell fate determinant in precise synapse pattern formation in <i>C. elegans</i>
3:10 pm	Gil Jorge Barros Henriques	Multilevel selection favors fragmentation modes that maintain cooperative interactions in multispecies communities
3:15 pm	William Ou	Changes in arthropod community but not resource quality benefits a specialist herbivore under plant water stress
3:20 pm	Siobhan Schenk	The bacterial community of <i>Saccharina latissima</i> and salinity stress
3:25 pm	Question session	

## Session Five (b)

3:30 pm	Jane Yangel	An experimental test of how microbial communities respond to warming in systems connected by dispersal
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3:50 pm	Matthew Strelau	Arabidopsis Synaptotagmin Activity During Stress
3:55 pm	Kelsey Tikka	Mechanism by which predators interact and the consequences for stream food webs and ecosystems
4:00 pm	Question session	
4:05 pm	Break	
4:15 pm	Poster Session	
#1	Lachlan Byrnes	Testing predictions from Metabolic Scaling Theory in Forest Systems
#2	Milos Simovic	Insights from classical nucleation theory about a potential driver of yellow-cedar decline
#3	Dr. Miki Fujita	UBC BioImaging Facility (BIF) 101
#4	Libby Natola	Genomic structure of a three-species hybrid zone
#5	Crystal Ma	Characterization of Influenza A virus mutants with mutations on nuclear localization signals
#6	Steph Blain	A comparison of sexual dimorphism across competitive environments in the threespine stickleback
#7	Dr. Tom Booker	Exploring window-based approaches for genotype-environment association studies
#8	Katie Clayworth	Investigating the localization and function of laminin and dystroglycan in <i>Drosophila</i> wrapping glia development
#9	Caryn Leigh Cooper	Not quite lost: subgroup analysis of Ef-1a and EFL distribution
#10	Sravya Paluri	Regulation of Glial Septate Junction proteins by microRNA-184
#11	Katie Goodwin	Herbivory and climate as drivers of population and range dynamics of broadleaf lupine ( <i>Lupinus latifolius</i> )
5 pm	Social event with Dr. Rachel Germain	