

Fall 2020
Biology Capstone Presentation Schedule
Thursday, December 17, 2020

Each presentation is 15 minutes with a 5-minute changeover time between talks.

There are three concurrent sessions for the first 5 talks and two concurrent sessions for the last 4 talks.

The first session runs from noon-1:35 p.m. and the second session runs from 2:00 - 3:20 p.m.

There will be a break from 1:35 p.m. - 2:00 p.m.

Zoom session 1a: https://plu-edu.zoom.us/j/92812501086	
Time	Dr. Romey Haberle: Mountain biogeography
noon	<i>Joey Lowery: Espeletia</i> complex biogeography and the Páramos: Rocky relationships and adaptability of the complex
12:20	<i>Tori Doten: The Genetic bottleneck of the Eurasian Beaver <i>Castor fiber</i></i> after being hunted to near extinction
12:40	<i>Josh Nelson: Ochotona princeps</i> (American Pika): Stranded as the climate warmed
1:00	<i>Jasmine Elizondo: Tetraoninae: Determining the significance of their adaptations and implications for conservation</i>
1:20	<i>Nicholas Spangler: The Complex history of expansion of the Ponderosa Pine (<i>Pinus ponderosa</i>)</i>

Zoom session 1b: https://plu-edu.zoom.us/j/94756188783?pwd=U3l3SFhRUDdNaJlJMUFP3NzdHVEU5dz09	
Time	Dr. Shannon Seidel: SARS-Coronavirus-2 and the COVID-19 Pandemic
noon	<i>Anna Chacon: To Smoke or Not to Smoke: An Analysis on the Relationship Between SARS-CoV-2 and Marijuana Smoking</i>
12:20	<i>Blake Wichert: Use of Reverse Transcriptase Quantified Polymerase Chain Reaction to Identify Potential Increase of SARS-CoV-2 Viral Load on Rhesus Factor Erythrocytes</i>
12:40	<i>Katelyn Thompson: Studying the Role of Immune Cells in SARS-CoV-2 Infection: Are Macrophages Friend or Foe?</i>
1:00	<i>Jack Dinauer: Investigating SARS-CoV-2 Brain Infection: How does it get there?</i>
1:20	<i>Declan Foster: Utilizing mouse model systems to investigate the correlation between severe SARS-CoV-2 infection and Acute Kidney Injury (AKI)</i>

Zoom session 1c: <https://plu-edu.zoom.us/j/91217328106>

Time	Dr. Matt Smith: Post-copulatory sexual selection
noon	<i>Hannah Pacquing-Backus</i> : Oxytocin's Role in the Formation and Maintenance Phases of Pair Bonding in Marmoset Monkeys
12:20	<i>Sora Gallo</i> : Interactions between TGM4 and SVS2 are critical for copulatory plug formation
12:40	<i>Sabrina Pietron</i> : The Involvement of the Major Histocompatibility Complex in Cryptic Female Choice
1:00	<i>Cherish Scheidhauer</i> : Multiple Paternity (MP) in Crocodilians: A Function of Sperm Competition
1:20	<i>Mackenzie Kinsella</i> : The Role of Follicular Fluid in Cryptic Female Choice

Zoom session 2a: <https://plu-edu.zoom.us/j/92812501086>

Time	Dr. Mike Behrens: Trophic cascades in ecological systems
2:00	<i>Noah McGoff</i> : Lake Trout Invasion into Yellowstone Lake Forces a Trophic Cascade Through Competition with Native Cutthroat Trout
2:20	<i>Abby Denn</i> : Sea Otters and Trophic Cascades in the Aleutian Islands: Mechanisms and Consequences
2:40	<i>Kiana Boyer</i> : Pathways of the Trophic Cascade in Western Antarctica
3:00	<i>Anastasia Tang</i> : The Role of Insectivorous Birds in Oak Habitat Maintenance

Zoom session 2b: <https://plu-edu.zoom.us/j/94756188783?pwd=U3I3SFhRUDdNaJMUFP3NzdHVEU5dz09>

Time	Dr. Mary Ellard Ivey: Gene editing with CRISPR
2:00	<i>Alisa Sterbick</i> : The CRISPR/Cas9 System as an Effective Tool for Correcting the Defective CFTR in Humans with Cystic Fibrosis
2:20	<i>Amy Tran</i> : Anti-CRISPR Genes Protect Viruses from Bacterial CRISPR Systems.
2:40	<i>Roseanne Gamboa</i> : Inhibition of CRISPR-Cas Systems Using Anti-CRISPRs Found in <i>Neisseria Meningitidis</i>
3:00	<i>Macy Holquin</i> : CRISPR Diagnostics: Harnessing a Natural Phenomenon to Manage a Pandemic