

## Spring 2024 BIOLOGY Capstone Presentation Schedule

**WEDNESDAY, May 22, 2024**

Each presentation is 15 minutes (12 min. Talk + 3 min. Q&A)

	<b>Dr. Mike Behrens (Morken 103)</b>	<b>Dr. Mary Ellard Ivey (Morken 105)</b>
1:00 pm	<b>Daniel Bensen</b> - Plastics as Predators: The destabilizing effects of microplastics on fresh-water communities	<b>Kayla Terlecki</b> - Applications of CRISPR/Cas9: Novel Method to Generate Animal Models for Research on Human Disease
1:15 pm	<b>Oliver Bolosky</b> - Birds Sequester Carbon: The Top-Down Effect of Birds on Terrestrial Carbon in Grasslands	<b>Aku Dogbe</b> - The Feasibility, Safety, and Efficacy of CRISPR in Cancer Treatment
1:30 pm	<b>Austin Palmer</b> - Murder on the Hornet Beespress: The Potential Impacts of Hornet-induced Trophic Cascades on PNW Plants and Pollinators	<b>Sujin Kim</b> - CRISPR/Cas9 engineering of organoids can advance our understanding of Autism risk genes
	<b>5 min mini break</b>	<b>5 min mini break</b>
1:50 pm	<b>Sara Wifall</b> - Trophic Effects of Pine Marten Reintroduction on Grey and Red Squirrel Dynamics	<b>Samantha Nelson</b> - CRISPR: A tool for detecting pathogens
2:05 pm	<b>Delaney Zuniga</b> - The Impacts of Wolf Reintroduction on Channel Morphology in the Olympic Peninsula	<b>Vinny D'Onofrio</b> - CRISPR is a Weapon Against Undesirable Antibiotic Resistance Genes
<b>Intermission and Reception 2:20-2:40pm</b>		
	<b>Dr. Julie Smith (Morken 103)</b>	<b>Dr. Shannon Seidel (Morken 105)</b>
2:40 pm	<b>Stephany Erazo</b> - The Drive Behind Altitudinal Migration in Tropical Bird Species of Costa Rica: Food-Limitation Hypothesis	<b>Emily Alexander</b> - Navigating HSV-2: Understanding the Virus and Antiviral Treatments
2:55 pm	<b>Julianna Urbano-Alamilla</b> - Poor Wintering Habitats Can Have Negative Carry-over Effects on Long-distance Migratory Birds	<b>Grace Macharia</b> - Together in sickness and in resistance
3:10 pm	<b>Jose Granados</b> - The Effects of Pesticides on Avian Migration	<b>Ceci Coca-Aitken</b> - A Difficult Decision: Influenza Vaccination During Pregnancy
	<b>5 min mini break</b>	<b>5 min mini break</b>

3:30 pm	<b>Adrianna McCray</b> - Use of Celestial Cues By Nocturnal Migrants as a Learned Trait	<b>Makya Warren</b> - Tuberculosis: Prevalence, Screening, Treatments, and Social Determinants of Health
3:45 pm	<b>Shakiah Grods</b> - Evolutionary Marvels of Migration: Physiological Changes During Shorebird Migration	<b>Dr. Lathiena Nervo (Morken 105)</b>
		<b>Margaret Murdoch</b> - Protein Paparazzi: Tracking the Elusive Polychaetoid Protein in Real Time <b>*Independent Study Presentation*</b>