

**Spring 2020**  
**BIOLOGY Capstone Presentation Schedule**  
**(Tuesday, May 19, 2020)**

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

Time	<b>ECOLOGY AND EVOLUTION SESSION</b> For Zoom link contact Dr. Haberle <b><u>Dr. Romey Haberle</u></b>	<b>CELLULAR AND MOLECULAR SESSION</b> For Zoom link contact Dr. Siegesmund <b><u>Dr. Mary Ellard-Ivey</u></b>
10:00	<i>Anya Nelson</i> - On the origin of <i>Spruce-ies</i> : biogeography of the genus <i>Picea</i>	<i>Susan Schowalter</i> - CRISPR and Anti-CRISPR: Searching for control over gene editing with Anti-CRISPR genes to reduce off-target effects
10:15	<i>Patrick Harding</i> - Re-examining the historical characterization of the family Parulidae (North American Wood Warbler)	<i>Jhelina Aguilar</i> - Inactivation of the Huntingtin Gene by using CRISPR-Cas9 mediated gene editing
10:30	<i>Matthew Jackson</i> - Postglacial pitcher plants: the biogeographic history of <i>Sarracenia</i>	<i>Jacey Ortega</i> - CRISPR/Cas9 Mediated Genomic Repair in Duchenne Muscular Dystrophy
10:45	<i>Porter Kreier</i> - The revised Introduction of <i>Molossus</i> bats Into the Caribbean islands	<i>Madilynn Lowrance</i> - CRISPR-Cas9 gene editing can be used to enhance immunotherapy efficacy
<b>BREAK 11:00 - 11:15</b>		
	<b>ORGANISM STRUCTURE AND FUNCTION SESSION</b> <b><u>Dr. Patty Dolan</u></b>	<b>CELLULAR AND MOLECULAR SESSION</b> <b><u>Dr. Amy Siegesmund</u></b>
11:15	<i>Alyssa Carter</i> - Engaging in regular exercise leads to a decrease in blood pressure for hypertensive individuals	<i>Katie Powers</i> Avian Influenza, A zoonotic disease as viewed through a one health perspective
11:30	<i>Haleigh Creedon</i> - Exercise reduces Parkinson's-disease-related	(11:35) <i>Lisa DiMascolo</i> Applying a One Health Approach to the Impacts of

	neurotransmitters		Industrial EDCs on Reproductive Health
11:45	<i>Savannah Liddell</i> - Exercise improves blood glucose in individuals with type II diabetes		(11:55) <i>Kayleigh Peterson</i> OHA for food insecurity and resulting increasing prevalence of obesity due to nutrition transition in Arctic communities.
12:00	<i>Kaitlyn Rickey</i> - Exercise helps decrease neurodegeneration and increase neurogenesis in Alzheimer's patients		(12:15) <i>Sydney Pribic</i> Reducing the prevalence of plague in madagascar with a OHA
12:15	<i>Kaylyn Rosmaryn</i> - Treating fatigue with exercise in MS patients		(12:35) <i>Nina Phan</i> A OHA to Endemic Cholera Outbreaks