

**Fall 2021**  
**BIOLOGY Capstone Presentation Schedule**  
**(Tuesday, December 14, 2021)**

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

Time	RIEKE 220	RIEKE 221
	<b><u>Dr. Matt Smith</u></b>	<b><u>Dr. Romey Haberle</u></b>
1:00	Hayden Cross-Schroeder: <i>The role of seminal plasma in regulatory T cell expansion during pregnancy</i>	Olga Palenga; <i>The domestication of bitterness in the cucumber.</i>
1:20	Sarah Molyneux: <i>The presence of a unique endometrial microbiota and its role in assisted reproductive outcomes</i>	Juliana Rendler; <i>Curiosity domesticated the cat; Investigating the process, origin, and timeline of cat domestication</i>
1:40	Jeffy Bangcado: <i>The relationship between antimicrobial peptides and preterm birth</i>	Andres Pedro Miguel; <i>Cannabis sativa, the plant with legal regulations based on gene regulations</i>
2:00	Yailine Barajas Lopez: <i>Diet-induced alterations to the maternal gut microbiota and their influence on offspring's metabolic phenotype</i>	Braden McNeil; <i>Challenging the model of corn domestication</i>
2:20	Aleia Truman: <i>Maternal immune activation and its role in the development of autism spectrum disorder</i>	Chance Marsh; <i>The Shifting Paradigms of Cattle Domestication.</i>
2:40 - 3:00	<b>INTERMISSION</b>	

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	<b><u>Dr. Patty Dolan</u></b>	<b><u>Dr. Jacob Egge</u></b>
3:00	Alyssa Jordan: <i>Exercise fights inflammation to combat hypertension</i>	Jakob Bell: <i>A unique look at monitoring marine community structure through eDNA metabarcoding</i>
3:20	Dale Emoto: <i>Exercise improves quality of life for those with Parkinson disease</i>	Natalie Pavone: <i>Uses of eDNA for management of amphibians of conservation concern</i>
3:40	Brooke Faubion: <i>Aerobic exercise vanquishes vascular dementia</i>	Owen Brummel: <i>Applications of eDNA as a terrestrial biodiversity sampler</i>
4:00	Ben Chance: <i>Weight-bearing exercise combats osteoporosis</i>	Tess Ritcey: <i>Make clastic a classic: Why sedimentary eDNA has benefits over aqueous eDNA</i>
4:20	Charisma Manalo: <i>Exercise rehabilitates the liver to beat diabetes</i>	Noe Lambert: <i>Tracking the impact of barriers on fish migration using eDNA</i>
4:40	Samantha Gelperin: <i>Exercise fights depression by building a better hippocampus</i>	Ellie Aosved: <i>Evaluating eDNA as a tool for surveying for invasive mollusk species</i>
5:00	Jillian Berkenkotter: <i>Aerobic exercise alleviates anxiety disorders</i>	Riley Wynn: <i>Rapidly improving the detection of aquatic invasive species with eDNA using carp as a model organism</i>