

**Biology Capstone Presentation Schedule**  
**Spring 2023**  
**Thursday May 25th**

<b>Time</b>	<b>Cellular &amp; Molecular Session</b> <b>Rieke Rm 220</b>
	<b>Dr. Laurie-Berry</b>
<b>12:00pm</b>	<b>Reina Kim: Using Case Studies as Learning Tools</b>
<b>12:20pm</b>	<b>Margaret Murdoch: Human Tissue Made From Plants!</b>
<b>12:40pm</b>	<b>Maye Sullivan: Curcumin Extraction and Delivery for Cancer Treatment</b>
<b>1:00pm</b>	<b>Neala Mahlon: Investigating Mycorrhizal Networks</b>
<b>1:20-1:40pm</b>	<b>Intermission</b>
	<b>Dr. Seidel</b>
<b>1:40pm</b>	<b>Grant Kadlec: Spillover Shutdown: A Case-Study Aimed at Preventing the Next Pandemic</b>
<b>2:00pm</b>	<b>Stacy Duran-Guerrero: Vaccines &amp; Spike Proteins: A Case Study</b>
<b>2:20pm</b>	<b>Emily Parker: A Pharmacy Intern Explores Antiviral Repurposing</b>
<b>2:40pm</b>	<b>Chloe Hodgson: HPV and Cervical Cancer: A Case Study for Upper Division Biology</b>
	<b>Evolution and Ecology Session</b> <b>Rieke Rm 221</b>
	<b>Dr. Behrens</b>
<b>12:00pm</b>	<b>Alex White: The effects of increased temperature and CO<sub>2</sub> levels on lionfish and fairy basslet interactions</b>

12:20pm	<b>Garrett Guenther:</b> The effect of climate change on the Polar Bear diet as they shift from ice to land
12:40pm	<b>Courtney Headrick:</b> Impacts of climate change and sediment exposure on shallow and deep sea populations of the coral <i>Lophelia pertusa</i>
1:00pm	<b>Shan'tel Beegle:</b> Ocean acidification: implications on olfactory and auditory senses in Marbled Parrotfish
1:20pm-1:40pm	<b>Intermission</b>
	<b>Cellular &amp; Molecular Session</b> <b>Rieke Rm 221</b>
	<b>Dr. Nervo</b>
1:40pm	<b>Odonnus Simmons:</b> Unlocking the Healing Potential: How Stem Cells can reduce Spleen-induced inflammation to aid in Stroke recovery
2:00pm	<b>Grace Atkins:</b> Culturing Patient-Derived Medulloblastoma Organoids: A Step Forward for Precision Treatment in a Rare Cancer
2:20pm	<b>Janet Chen:</b> BMP-7, a solution to chronic kidney disease
2:40pm	<b>Jessica Lee:</b> STEM CELL THERAPEUTICS ADVANCE DENTAL PULP REGENERATION POST-TRAUMATIC INJURY
	<b>Cellular &amp; Molecular/Evolution and Ecology Sessions</b> <b>Rieke Rm 222</b>
	<b>Dr. Siegesmund</b>
12:00pm	<b>Sloane Pruett:</b> The implications of economic inequity and resource access on cholera prevalence in sub-Saharan Africa
12:20pm	<b>Cailey Collado</b> Effects of Food Insecurity on HIV and TB Outcomes: A One Health Perspective
12:40pm	<b>Lilian Nguyen</b> Usage of hygromycin A for Lyme disease

	<b>treatment in rural areas</b>
<b>1:00pm</b>	<b>Natty Urbano</b> The influence of socioeconomic factors on public education and population demographics in Africa and Asia to reduce stray dog-mediated rabies
<b>1:20-1:40pm</b>	<b>Intermission</b>
	<b>Dr Siegesmund</b>
<b>1:40pm</b>	<b>Kenzie Frazier: One Health approach to highly pathogenic avian influenza H5N1 in South Asia</b>
<b>2:00pm</b>	<b>Mikayla Chun</b> <i>B. anthracis</i> and the Incidence of Anthrax Infections
	<b>Dr. Behrens</b>
<b>2:20pm</b>	<b>Liz Racine: Shifting seas: Changing latitudinal distributions of fish in the Northeastern Pacific due to warming sea surface temperatures</b>
<b>2:40pm</b>	<b>Braden McNeil: Proposed analysis of phenology in the sandy lowland in response to climate change</b>