Spring 2022
BIOLOGY Capstone Presentation Schedule
(Tuesday, May 24, 2022)

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

Time	Xavier 201		Admin 101
	Dr. Mary Ellard Ivey		**Dr. Evan Eskew**
10:30am	**Ingvild Nordstad** Targeting latent HIV-1 infection in quiescent CD4+ T cells using the CRISPR/Cas9 system		**Claire Calderon** *Toxoplasma gondii* prevalence in Pacific harbor seals (*Phoca vitulina*) of the urban South Puget Sound
10:50am	**Monya-Dawn Wilson** Finding solutions for feeding growing populations: the potential of CRISPR to be used for increased food production in aquaculture industries		**McKenzie Meyer** Whole genome sequencing of white-tailed deer to identify evidence of selection driven by chronic wasting disease
11:10am	**Nicholas Hillard** Remote controlled gene editing		**Javad Ayat** The combined effects of oxygen concentration and the sea star associated densovirus (SSaDV) on sea star wasting disease
11:30am	**Janelle Dao** Using CRISPR to create a gene therapy for inherited retinal diseases that are greater than ~4.8 kb		**Kaitlyn Stabell** Genotyping *Mycoplasma ovipneumoniae* strains in Mojave Desert bighorn sheep, implications for juvenile survival
11:50am	**Kaitlin Andrade** Future treatment strategies of Alzheimer's disease using CRISPR		**Kristin Sorensen** *Batrachochytrium salamandrivorans* (*Bsal*) causes dermal microbiome alterations in PNW rough-skinned newts (*Taricha granulosa*)
12:10pm	**Katrina Sybouts** Managing abiotic stress in plants using CRISPR		**Christian Mark Carlos** Blessing of undressing: the role of ecdysis rate in ophidiomycosis progression

12:30 - 1:00pm	**INTERMISSION**

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Time	Admin 101		Xavier 201
	Dr. Neva Laurie-Berry		**Dr. Lathiena Nervo**
1:00pm	**Sarah Davis** Genetic engineering techniques to combat climate change		**Rahel Ambachew** Examining glioblastoma cell heterogeneity for personalized medicine
1:20pm	**Brett Williams** Drought resistance and osmoprotectants		**Kinnera Inman** Human cytomegalovirus impacts neural development during embryogenesis
1:40pm	**Alexia Sioda** Glyphosate water contamination effects on plants and mammals		**Bethany Lizama** Making the midline: how improper support of epithelial cell migration causes cleft palate in infants
2:00pm	**Matthew Lewis** Plant-based vaccines		**Elisabeth Martin Rogers** New stem cell therapy for scar-free recovery in deep tissue burns
2:20pm	**Clara Froeschner** Plant virus nanoparticles as cancer immunotherapy treatment		**Cindy Ocotlan-Garcia** The detrimental effects of excess retinoic acid on the development of the central nervous system
2:40pm	**Elizabeth Elliot** - Individualized major Shaping change, changing worlds		—----------