

Spring 2021
Biology Capstone Presentation Schedule
Thursday, May 27, 2021

Each presentation is 15 minutes with a 5-minute changeover time between talks.

There are three concurrent Zoom meetings for the early session of talks and two concurrent Zoom meetings for the later session of talks. Each session will feature five student presentations.

The first session runs from noon-1:35 p.m. and the second session runs from 2:00 - 3:40 p.m.

There will be a break from 1:35 p.m. - 2:00 p.m.

Zoom session 1a	
Time	Dr. Neva Laurie Berry: Genetic Engineering of Plants
noon	Gabriella Spagnole - The Impact of Bt Crops on Non-Target Aquatic Organisms
12:20	Kevin Conkling - Viability of Phytoremediation going into the 2020s
12:40	Savanna Service - Edible Vaccines: Evidence to justify further trials and need for humanitarian aid
1:00	Jensen Lees - Alkaloid Biosynthesis Pathway Modifications to Upregulate Yield
1:20	Hannah Ellis - Engineering crops for a New Age: Enhancing Crop Growth under Abiotic Stress

Zoom session 1b	
Time	Dr. Heidi Schutz: Biological effects of sex and gender
noon	Austin Richardson- Cross sex hormone treatment risks affecting the adolescent amygdala in properly regulating negative emotion
12:20	Jen Steele - Filling in the existing Gaps in Transgender Cardiovascular Research*Pending Title*
12:40	Lawrence Thompson-Can a Bias Potentially Leading to Increased Female Fatalities in Vehicular Accidents be Corrected?
1:00	Abbie Loring-Effects of sex and gender on ADHD diagnosis—impacts on women’s quality of life
1:20	Allie Curtis-What’s in your Genes Determines What’s above your Genes: Sex-specific Epigenomics Impact Mental Health

Zoom session 1c	
Time	Dr. Amy Siegesmund: One Health
noon	Won Shin: One Health Approach to The zoonotic Tuberculosis Epidemic
12:20	Isaiah Banken: The Need for a One Health Approach to the Current Cholera Outbreak in Yemen
12:40	Irene Sanchez:
1:00	Maria Benitez: A One Health Approach to the Ebola Virus Disease in the Democratic Republic of Congo
1:20	Brandon Nguyen: Preventing H5N1 Outbreaks in Bangladesh with a One Health Approach

Zoom session 2a	
Time	Dr. Patty Dolan: Exercise as medicine
2:00	<i>Elizabeth Larios</i> : Pick up the pace: How exercise prevents and attenuates Parkinson's disease
2:20	<i>Ashton Huppert</i> : Protecting your brain: Exercise can prevent or delay progression of Alzheimer's disease
2:40	<i>Kelly Brown</i> : Let's get physical: Exercise's role in combating type 2 diabetes
3:00	<i>Ashley Press</i> : Feeling Blue? How the benefits of exercise can help you.

Zoom session 2b	
Time	Dr. Lathiena Nervo: The mechanics of tissue formation
2:00	<i>Taylor Stokes</i> : Improved Nutrition in Septic Infected Mice Aids in Rapid Wound Healing
2:20	<i>Kalina Whiteford</i> : Regulation of Cell Shape Changes is Necessary for Salivary Gland Formation
2:40	<i>Anessa Kelley</i> : Halting Metastasis: The Search for Secondary Tumor Prevention
3:00	<i>Leilani White</i> : Exploring Possibilities for Spinal Cord Regeneration in Mammals by Studying Regenerative Mechanisms in Zebrafish
3:20	<i>Sam Cartmill</i> : Zika Virus as a Teratogen: Targeted Manipulation of Fetal Neurogenesis