

**Fall 2017**  
**BIOLOGY Capstone Presentation Schedule**  
**(Tuesday, December 12, 2017)**

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

Time	<b>Cellular &amp; Molecular Session</b> RCTR 220
	<b><u>Drs. Auman &amp; Siegesmund</u></b>
10:00	Cassidy Hobbs - <i>Altering the Composition of the Gut Microbiota as a Novel Therapy for Patients with MS</i>
10:15	Hayley Sonnenson - <i>The Relationship Between Gut Proteobacteria Induced Inflammation and Colic in IgA-Deficient Infants</i>
10:30	Rahel Abebaw - <i>The Effects of HIV Infection on the Gut Microbiome and Long-Term Development of Inflammation</i>
10:45	Lindsey Benedict - <i>Probiotics as a Treatment for Major Depressive Disorder Through Mediation of Gut Microbiome Dysbiosis</i>
11:00	<b>BREAK</b> Talks resume at 11:15
	<b><u>Dr. Ellard-Ivey</u></b>
11:15	Adrienne Scarcella - <i>Eliminating Malaria with CRISPR in a Gene Drive System</i>
11:30	Kayla Dice - <i>Strategies for Using CRISPR Based Gene Editing to Control Tumor Genesis</i>
11:45	Olga Chernichenko - <i>CRISPR-mediated correction of mutant CFTR gene alleviates symptoms of Cystic Fibrosis</i>
12:00	Tessa Wright - <i>Eliminating Malaria with CRISPR in a Gene Drive System</i>
12:15	<b>LUNCH BREAK</b> Talks resume at 12:45
	<b><u>Dr. Carlson</u></b>
12:45	North Foulon - <i>Evaluating the risk of hES cell use in clinical therapies</i>
1:00	Jackson Bakse - <i>Capacitation: The first step to becoming human</i>

1:15	Grant Kido - <i>Applications of embryonic stem cells produced through somatic cell nuclear transfer</i>
1:30	Maddi Stinson - <i>Roles of the transcription factor COUP-TFII in early human development</i>

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Time	<b>Ecology &amp; Evolution Session</b> RCTR 221
	<b><u>Dr. Behrens</u></b>
10:00	Courtney Hartman - <i>Intense &amp; Frequent Hurricanes Lead to Catastrophic Consequences for Coral-Reef Communities</i>
10:15	Keiko Inouye - <i>Increased Pseudo-nitzschia Productivity Driven by Anthropogenic Activity</i>
10:30	Sydney Smithe - <i>Effects of Ocean Acidification on Sea Urchin Development and Predation</i>
10:45	Emily Terhaar - <i>The Impact of Climate Change on Plankton: Compounding interactions in the food web</i>
11:00	<b>BREAK</b> <b>Talks resume at 11:15</b>
	<b><u>Dr. J. Smith</u></b>
11:15	Jason Parillo - <i>Egg discrimination by avian brood parasite hosts</i>
11:30	Mikayla Ayers - <i>Variability in Brood Parasite Virulence: A Cost-Benefit Approach</i>
11:45	Sierra Jackson - <i>Adaptations for Resource Allocation in Nestling Brood Parasites</i>
12:00	Sara Newman - <i>Avian Brood-Parasitic Cowbirds Demonstrate Relative Hippocampus Enlargement Due to Nest-Searching Behavior</i>
12:15	<b>LUNCH BREAK</b> <b>Talks resume at 12:45</b>
	<b><u>Dr. Haberle</u></b>
12:45	Jacob Beck - <i>Genetic divergence in North American black bears following Pleistocene glaciation</i>

1:00	
1:15	
1:30	



