

Spring 2025 BIOLOGY Capstone Presentation Schedule for May 21 2025

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

	RCTR 220 Laurie-Berry	RCTR 222 Matt Smith
1:00 pm	Braeden Hemphill <i>Case Study Analysis: Constructing Effective Learning</i>	Ava Stefanik <i>MKRN3: A Gatekeeper of Puberty Through Transcriptional Repression of Key Neuropeptides</i>
1:15 pm	Sarah Olver <i>Case Study on Tobacco Mosaic Virus</i>	Ivan Khrystychenko <i>Kisspeptin as the Key Mediator of Estrogen's Positive Feedback on the GnRH Surge</i>
1:30 pm	Makenzie Schlenker <i>Invasive Plants: Case Study</i>	Caleb Grass <i>KNDy Neurons as the Central Drivers of GnRH Pulsatility</i>
	5 min mini break	5 min mini break
1:50 pm	Melissa Zuniga <i>The GMO Recipe: How to Make GMOs</i>	Grady Lemma <i>Impact of Aging on GnRH Pulse Dynamics</i>
2:05 pm	Jade Cayetano <i>Case Study: Hormonal Roller Coaster</i>	Madison Glass <i>Inflammation-Induced Infertility: How Immune Stress Impairs Kisspeptin and GnRH Signaling</i>
2:20pm	KaliAnn Douglas <i>Making Plantibodies: A Case Study</i>	Kim Raymundo <i>Prolactin Inhibits Luteinizing Hormone Secretion via Direct Modulation of Kisspeptin Neurons</i>
Intermission 2:35-2:55 20 mins		
	RCTR 220 Nervo	RCTR 222 Smith / Reimers
2:55pm	Jeehee An <i>Stem Cells for Knee Repair: A Non-Invasive Breakthrough in Osteoarthritis Treatment</i>	Alesandra Cardella <i>Mechanisms of Exercise-Induced Neurogenesis: The Contributions of BDNF and Irisin</i>
3:10 pm	Dyar Murad <i>Making Functional Small-Intestinal Tissue by Genetically Modifying Stem Cells</i>	Tiara Manalo <i>Exercise is Medicine: Modulating Stress and BDNF to Improve Mental Health</i>
3:25pm	Abby Laas <i>Investigating the Biology of Limb Regeneration for Future Human Therapies</i>	Sharon Kimotho <i>Prenatal Booze Blues: How Alcohol Rewires the Brain</i>
	5 min mini break	5 min mini break

3:45pm	Jasmine Kunda <i>Targeting Huntington's Mutation at the Source: Altering Mutation with CRISPR/Cas9 and Exome Therapy</i>	Ethan Keintz <i>Fighting Fire with Fire, Using Magic Mushrooms to Treat Alcohol Use Disorder (AUD)</i>
4:00 pm	Nick Gaston <i>Minimizing the Effects of Diabetes: Stem Cells and Kidney Disease</i>	Sam Camacho <i>Untangling the Mind: Do Antipsychotics Heal the Brain—Or Just Silence It?</i>
4:15pm	Annika Deazley <i>Natural Killer Cells: Stemming the tide of pancreatic cancer</i>	Caitlyn Vialpando <i>Pot and Potential: THC and the Flexible Brain</i>
4:30pm	Liam Johnston <i>Using Dental Pulp Stem Cells in Tooth Regeneration</i>	Hermann Nagorngar <i>Magnetic fields to treat schizophrenia</i>