Biology Research Days - Detailed Schedule

Thursday's schedule

all day	Judges preview posters	
12:30 p.m.	Grad lunch with Dr. Pam Padilla	CAST Room 1420 (PiBBs)
3:30-4:30 p.m.	**Special Seminar: Dr. Rob Miller, CAST Room 100**	***Ancient conservation and evolutionary plasticity in cells of the immune system***

Friday's schedule

all day	BGSA Silent Auction and Bake Sale	CAST Greenhouse
all day	MSB Display Table	CAST Lobby
8:30–9:30 a.m.	**Session 1 Student Talks**	**CAST Room 55**
	Diego DeMmon	*Diversity of the T Cell Receptor Repertoire in Lungfish (Dipnoi)*
	Anthony Abeyta-Lopez	*Defining the Correlation of Estrogen Receptor Alpha mRNA and Protein Expressions Following HIV-Latency Reversal Agents (LRAs) Treatment*
	Danielle Vigil	*Tetraspanin CD82 regulates EGFR localization in response to chemotherapy in AML*
	Claire Doherty	*New Insights into Early T Lymphocyte-Mediated Immunity to Toxoplasma gondii*
8:45–9:30 a.m.	**Session 2 Student Talks**	**CAST Room 51**
	Anastasia Pittis	*Through the Lens of the Microbiome: How the External Microbiota of Bats Changes After the Arrival of WNS*
	Abigail Granath	*Stress Resistance of Root-Associated Fungi to Heat and Desiccation*
	Alana Robinson	*Amino Acid Metabolism in Southern Sea Otters*
9:30-10:00 a.m.	**Coffee Break**	**CAST Greenhouse**
10:15–11:00 a.m.	**Session 3 Student Talks**	**CAST Room 55**
	Aurora Kraus	*Olfactory detection of viruses shapes brain immunity and behavior*
	Gonzalo Morales Chaya	*Transcription factor AP-2 expressed in Drosophila Type II Neuroblast Lineages Regulates Central Complex Brain Formation and Sleep Behavior*
	Alexander Achusim	*High throughput automation of C. elegans lifespan experiments*
10:00–11:00 a.m.	**Session 4 Student Talks**	**CAST Room 51**
	Quin Baine	*Eurytoma parasitoid specialization in two co-occurring sister Tephritidae gallers*
	Ethan Gyllenhaal	*History of a discontinuous contact zone of Bell's Vireos on the Rio Grande*
	David Tan	*Visualising and quantifying the effects of Pleistocene sea level change on island archipelagos*
	Jade McLaughlin	*NATIVE BEE PHENOLOGY: How phenological traits relate to bee life history, phylogeny, and year-to-year abundance in the Chihuahuan Desert, New Mexico, USA*

11:30 a.m.-12:30 p.m.	**Buffet Lunch**	**CAST Basement**
12:30–1:30 p.m.	**Session 1 Student Posters**	**CAST 1st floor**
	Brenda Ramos (#1)	*Detection of avian malaria in Peru using microscopic examination*

	Ben Garcia (#3)	*Discovery of lymphocyte aggregates in the nasal cavity of rainbow trout and their role in immune responses to nasal vaccines*
	Ryan Ozatalar (#5)	*The Biogeochemical Role of Microbes in Lava Caves*
	Naija Cuzmar (#7)	*Pathogen prevalence across the geographic distribution range of Southern Leopard Frogs (Rana sphenocephala)*
	Huachan Liang (#9)	*Population genetics of sand shiner (Notropis stramineus) across the Great Plains*
	Carolina Valderrama (#11)	*Growing five different species of Symbiotaphrina; a genus of fungi in the phylum Ascomycota*
	Trinity Casaus (#13)	*Cryptic Sexual Dimorphism in Sandhill Crane Tracheae*
	Emi Casares (#15)	*Galls on Galls: Community ecology of ectogaller midge Rhopalomyia on Aciurina bigloviae galls*
1:30-2:30 p.m.	**Session 2 Student Posters**	**CAST 1st floor**
	Daisy Belmares-Ortega (#2)	*Developing a Centrifugal Hydrogel Method of Liver Spheroid Formation for Hepatotoxicity Assays*
	Julian Rojo (#4)	*Interrogation of immune checkpoint signaling dynamics through single molecule imaging*
	Victoria Castillo (#6)	*Impairment of Executive Function and Neuronal Expression following Prenatal Alcohol Exposure*
	Frances Twohig (#8)	*SARS-CoV-2 infection elicits variable antibody titers in convelescent patients*
	Teah Amirkabirian (#10)	*Severe COVID-19 and Mortality in Hospitalized Patients is Characterized by Elevated SARS-CoV-2 Viral Loads*
	Danika Nelson (#12)	*Effects of Prenatal Ethanol Exposure on Histamine H3 Receptor-Effector Coupling and Sigma1 Receptor Modulation of Histamine H3 Receptor Function*
	Cory Henn (#14)	*Impact of enterobacterial infections on the nervous system*
	Aysu Nora Caglar (#16)	*Molecular Mechanisms That Regulate Fate Specification of Dorsal Fan-Shaped Body (dFB) Neurons in Drosophila melanogaster*
12:30-2:30 p.m.	**Open Lab Tours**	
12:30-1:00	Rudgers Lab, 252 CAST	Animal Ecology, Conservation Biology, Evolutionary Biology, Global Change Biology, Microbial Ecology, Physiological Ecology, Plant Biology, Population Genetics & Phylogenetics, Riparian Ecology, Terrestrial Ecology, Theoretical Biology
1:00-1:30	Taylor Lab, 3545 CAST	Evolutionary ecology of plant-microbe interactions; fungal biodiversity
1:00-1:30	Smith Lab, 107 CAST	Animal Ecology, Historic Ecology, Paleoecology, Terrestrial Ecology, Vertebrate Biology
1:30-2:00	Takacs-Vesbach Lab, 3540 CAST	Aquatic Ecology, Microbial Ecology, Terrestrial Ecology
1:30-2:00	Newsome Lab/Center for Stable Isotopes, PAÍS 1315	Animal Ecology, Physiological Ecology, Vertebrate Biology
2:00-2:30	V. Martinson Lab, 255 CAST	Genetics, Invertebrate Biology, Microbial Ecology, Microbiology
2:00-2:30	E. Martinson Lab, 255 CAST	Computational Biology & Genomics, Evolutionary Biology, Invertebrate Biology, Molecular Evolution
3:00-4:00 p.m.	**Keynote Seminar: Dr. Pam Padilla, CAST 100**	***The nematode C. elegans as a model for human health related issues***
4:00-6:00 p.m.	**Student Scholarships & Awards Ceremony**	**50/50 Coffeehouse, 2122 Central Ave SE**