

2024 NM-INBRE Symposium

Monday July 29, 2024

7:00 am-1:00 pm	Admin orientation of INBRE V for liaisons (breakfast & lunch provided) <i>by invitation only</i>	Ballroom 2
1:00 pm-5:30pm	Registration check-in Poster set-up	Lobby
2:00 pm-4:00 pm	Faculty professional development workshop, required of DRPP and NIRF Awardees, open to all faculty	Ballroom 2
3:00pm-4:00 pm	Student research committee meeting <i>by invitation only</i>	Michèle Shuster Meeting Rm 1
4:30 pm-5:00 pm	Welcome remarks - presentation, INBRE IV accomplishments	Ballroom 2
5:00 pm-6:00 pm	Welcome reception - hors d'oeuvres & cash Bar	Lobby

Tuesday July 30, 2024

7:00 am-8:00 am	Breakfast	Ballroom 2
8:00 am-8:30 am	Welcome remarks, introductions, and overview of INBRE V	Shelley Lusetti, NM-INBRE PI & Luis Cifuentes, NMSU VPR Ballroom 1
8:30 am-8:50 am	INBRE V goals for the data science core	Charlotte Gard and Marshall Taylor Ballroom 1
8:50 am-10:00 am	Research landscape at partner Institutions	Institutional Liaisons Ballroom 1
10:00 am-10:30 am	Break	Lobby
10:30 am-11:15 am	Core facilities and services available to the INBRE network	Panelist from COBREs, NMSU, and NCGR Ballroom 1
11:15 am-12:15 pm	Research presentations: session 1	Ballroom 1
	Developing use-inspired research paradigms (and stimuli) for the study of medical image perception	Michael Hout New Mexico State University
	More than words - the relationship between speech prosody and social impairment in verbal children and teens with autism spectrum disorder	Heike Lehnert-LeHouillier New Mexico State University
	The impacts of stress and aging in an avian model for adult vocal learning	Timothy Wright New Mexico State University
12:15 pm-1:30 pm	Lunch	Ballroom 2
	INBRE V goals for student research program	Michèle Shuster
	INBRE V goals for developmental research project program	Shelley Lusetti
1:30 pm-2:15 pm	Poster session: odd-numbered posters	Lobby
2:15 pm-3:00 pm	Poster session: even-numbered posters	
3:00 pm-3:15 pm	Project ECHO	Vallabh (Raj) Shah & Andrea Ordóñez Ballroom 1
3:15 pm -4:00 pm	Experiential research experiences for undergraduates in the classroom	Concepcion Miller & Michèle Shuster Ballroom 1
4:00 pm-5:00 pm	Research presentations: session 2	Ballroom 1
	Microbiomes of wild-caught western deer mice	Steven Bradfute University of New Mexico
	Shot gun sequencing-based characterization of metagenome in mosquitoes	John Xu New Mexico State University
	Understanding the interplay between cancer stem cells and the tumor microenvironment	Sushmita Nandy Northern New Mexico College
5:00 pm-7:00 pm	2024 DRPP applicant working session (hors d'oeuvres provided) <i>by invitation only</i>	Shelley Lusetti, All 2024 DRPP applicants Ballroom 2

Wednesday July 31, 2024

7:00 am-8:15 am	Breakfast		Ballroom 2
8:20 am-8:30 am	Announcements		Ballroom 1
8:30 am-9:30 am	Research presentations: session 3		Ballroom 1
	Delineating the catalytic activity of phosphatases through a holistic computational chemistry approach	Marat Talipov New Mexico State University	
	Studies towards the synthesis of enantiomeric CBD derivatives	William Maio New Mexico State University	
	Rethinking enzyme catalysis for improved therapeutics	Brian Gold New Mexico State University	
9:30 am-10:15 am	Undergraduate research short talks: session 1		Ballroom 1
	Aotearoa, Costa Rica, and Ireland during COVID-19	Aaron Rubedo New Mexico Tech	
	Analysis of antioxidants in native lycium species	Trent Hutchens San Juan College	
	LD-Lysosome interactions	Braniya GambleMcQueen College of Southern Nevada	
	Plague money: the costs of the pandemic.	Wesley Jensen University of Nevada Las Vegas	
	Optimizing prodrug and cholesterol ratios for liposomal drug delivery vehicles for neuroblastoma treatment	Taleyah Beyer New Mexico Tech	
	Protein interactions in the RNA capping mechanism of SARS-CoV-2	Jana Sprecher St. John's College	
10:15 am-10:45 am	Break		Lobby
10:45 am-11:30 am	Undergraduate research short talks: session 2		Ballroom 1
	Spillover events in the US, India and Bangladesh	Seth Monde New Mexico Tech	
	Microbiome's affects on dopamine	Alyssia Begay San Juan College	
	Visual event related potentials following repeated mild traumatic brain injuries	Kiya Hamar Western New Mexico University	
	Death, vaccine, and infection rate analysis across the United States, Canada, and the United Kingdom during the COVID-19 pandemic	Joshua Evans New Mexico Tech	
	Gut-brain axis: does what we eat affect our bodies?	Tara Jones San Juan College	
	Comparative analysis of COVID-19 resources and vaccination efforts: a study of Italy's, Australia's, and Brazil's pandemic responses	Paola Pereda Eastern New Mexico University	
11:30 am-12:15 pm	Research presentations: session 4		Ballroom 1
	Body condition of Mexican free-tailed bats (<i>tadarida brasiliensis</i>) from southern New Mexico and southern Arizona	Teri Orr New Mexico State University	
	Structured mathematical models to study the optimality of vaccination strategies for COVID-19 pandemic	Gilberto Gonzalez-Parra New Mexico Tech	
12:15 pm-1:45 pm	Lunch		Ballroom 2
	INBRE V goals for network and institutions	Shelley Lusetti	
1:45 pm-2:30 pm	Mentor and be mentored	Shelley Lusetti and Michèle Shuster	Ballroom 1
2:30 pm-3:30 pm	Research presentations: session 5		Ballroom 1
	Conceptualization of dementia and interest in biomarker disclosure in pueblo dwelling older adults	Katie Edwards University of New Mexico	
	Investigating emerging microbial contaminants in water sources applicable for indirect agricultural reuse	Moustapha Harb New Mexico Tech	
	Comparison of genomes of 3 species of fish with an emphasis on the major histocompatibility complex	Rhiannon West Northern New Mexico College	
3:30 pm-4:00 pm	Making science public	Shelley Lusetti	Ballroom 1
4:00 pm-5:00 pm	Wrap up and awards	Shelley Lusetti	Ballroom 1