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**SOUTHERN UTAH UNIVERSITY**

**FESTIVAL of**

**EXCELLENCE**

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**2025 PROGRAM BOOKLET**

# Opening Remarks

Welcome to Southern Utah University's Festival of Excellence! We are honored to present this program, showcasing the remarkable achievements of our students, faculty, and staff. As you peruse these pages, you will discover a diverse array of research projects, artistic endeavors, performances, and presentations that embody the spirit of excellence that defines SUU.

This festival is a celebration of innovation, creativity, and intellectual curiosity. It is a testament to the dedication and passion of our SUU community in pursuit of knowledge and growth. Whether it's groundbreaking research that pushes the boundaries of our understanding, captivating performances that inspire and entertain, or artistic creations that provoke thought and emotion, each contribution represents a unique journey of exploration and discovery.

We extend our gratitude to all participants for sharing their talents and insights with us. Your contributions enrich our community and inspire us to reach new heights. To our guests, thank you for joining us in celebrating the incredible achievements of our SUU family.

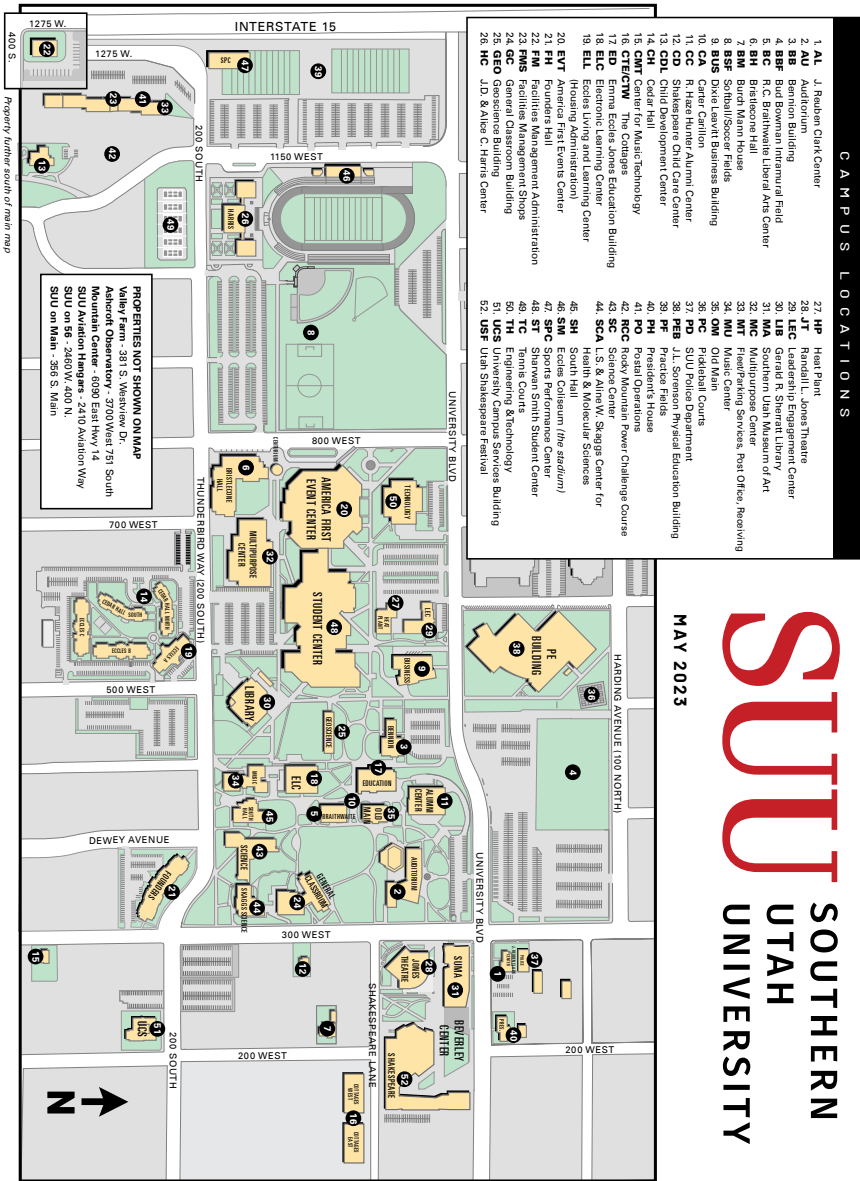
As we come together to celebrate excellence in all its forms, may this festival serve as a source of inspiration, collaboration, and empowerment for all who are present. Enjoy the Festival of Excellence, and let the celebration of achievement begin!

Mindy Benson  
*SUU President*

# Program Table of Contents

Campus & Poster Presentation Map.....	8
Keynote Speaker.....	10
Special Thanks & Event Organizers.....	12
Schedule Overview.....	14
<b>Oral Presentations.....</b>	<b>22</b>
Dixie L. Leavitt School of Business	24
College of Engineering and Computational Sciences	26
Beverly Taylor Sorenson College of Education and Human Development	28
College of Health Sciences	30
College of Humanities and Social Sciences	32
Walter Maxwell Gibson College of Natural Sciences	40
College of Performing and Visual Arts	44
Gerald R. Sherratt Library and Honors	46
<b>Poster Presentations.....</b>	<b>48</b>
Dixie L. Leavitt School of Business	50
College of Engineering and Computational Sciences	52
Beverly Taylor Sorenson College of Education and Human Development	56
College of Health Sciences	62
College of Humanities and Social Sciences	68
Walter Maxwell Gibson College of Natural Sciences	72
College of Performing and Visual Arts	76
Gerald R. Sherratt Library and Honors	77
<b>All Presenters &amp; Mentors.....</b>	<b>78</b>
Presenters by First Name	80
2025 Faculty Mentors	88

# Campus Map



# Poster Presentation Map

## 2025 Festival of Excellence Poster Map

College of Education and Human Development 1-45

College of Health Sciences 46-91

College of Humanities and Social Studies 92-124

School of Business 132-133

College of Engineering and Computational Sciences 135-167

College of Natural Sciences 168-196

Library/ Honors 197

College of Performing and Visual Arts 198



# Keynote Speaker



## **Jean-Michel Molenaar**

**11:30 AM - 1:00 PM**

### **Great Hall, R. Haze Hunter Alumni Center**

Jean-Michel Molenaar is a driving force behind many of the Fab Foundation's global initiatives. Since 2007, he has played a key role in establishing Fab Labs—innovation spaces equipped with digitally controlled machines—across diverse environments, from cutting-edge university research centers to refugee camps and war zones. His expertise spans installations, training, and strategic development, continually fostering innovation and collaboration worldwide.

Over the years, Jean-Michel has launched Fab Labs in numerous countries, tailoring them to vastly different contexts. He previously managed the Bio Academy, an advanced course in synthetic biology, and served as a Professor of the Practice in the Department of Biomedical Engineering at Tufts University, where he guided students and faculty in prototyping and advancing research.

In his current role at the Fab Foundation, Jean-Michel oversees the deployment of Fab Labs both internationally and within the U.S., while also managing much of the organization's online presence. His work encompasses everything from project development and contract negotiations to procurement, logistics, installations, and training—ensuring the successful creation of new labs that expand the network and drive shared research forward.

Beyond his professional endeavors, Jean-Michel enjoys skiing, long hikes, home-cooked meals, and sharing these experiences with friends and family. A published author in both French and English, he is fluent in multiple languages and lives in the breathtaking French Alps with his wife and three adventurous sons.

# Special Thanks

The success of the SUU Festival of Excellence would not have been possible without numerous individuals' dedication, hard work, and vision. We extend our heartfelt gratitude to the SUU Festival of Excellence Committee for their tireless efforts in planning and organizing this exceptional event. Their commitment to showcasing the talents and achievements of our SUU community has truly made this festival a resounding success.

We would also like to express our most profound appreciation to Lauri Garfield, Ryan Paul, Interim Provost Shauna Mendini and countless others for their support, leadership, and enthusiasm for the Festival of Excellence.

Thank you for helping to make the Festival of Excellence a truly memorable and rewarding experience for us all.

Camille Thomas

*Assistant Provost*



# 2025 Event Organizers

Jun He, Dixie L. Leavitt School of Business

Edward Decastro, College of Engineering and Computational Sciences

Brionee Neilson, Beverley Taylor Sorenson College of Education and Human Development

Clint Broadbent, Beverley Taylor Sorenson College of Education and Human Development

Julie Taylor, College of Health Sciences

Jason Stinnett, College of Humanities & Social Sciences

Nicole Dib, College of Humanities & Social Sciences

Jason Kaiser, Walter Maxwell Gibson College of Natural Sciences

Tyson Edwards, Walter Maxwell Gibson College of Natural Sciences

Richard Bugg, College of Performing & Visual Arts

Richard Saunders, Gerald R. Sherratt Library and Honors

# SCHEDULE OVERVIEW

## **Oral Presentations**

Dixie L. Leavitt School of Business

College of Engineering and Computational Sciences

Beverley Taylor Sorenson College of Education and Human Development

College of Health Sciences

College of Humanities and Social Sciences

Walter Maxwell Gibson College of Natural Sciences

College of Performing and Visual Arts

Gerald R. Sherratt Library and Honors

# Schedule Overview

## Dixie L. Leavitt School of Business

10:00 AM - 11:00 AM	Oral Presentations <i>Location: Dixie Leavitt Business Building (BUS)</i> <i>Room #: 120, 126, 242, 244, and 250</i>
11:30 AM - 1:00 PM	KEYNOTE SPEAKER: Jean-Michel Molenaar <i>Location: Great Hall - R. Haze Hunter Alumni Center</i>
2:00 PM - 3:30 PM	Poster Presentations <i>Location: America First Events Center (AFEC)</i> <i>Poster #: 132-133</i>

## College of Engineering & Computational Sciences

10:00 AM - 11:40 AM	Oral Presentations <i>Location: Bristlecone Hall (BH)</i> <i>Room #: 116</i>
11:30 AM - 1:00 PM	KEYNOTE SPEAKER: Jean-Michel Molenaar <i>Location: Great Hall - R. Haze Hunter Alumni Center</i>
2:00 PM - 3:30 PM	Poster Presentations <i>Location: America First Events Center (AFEC)</i> <i>Poster #: 135-167</i>

**Beverley Taylor Sorenson College of Education & Human Development**

9:00 AM- 11:00 AM    Oral Presentations  
*Location: Emma Eccles Jones Education Building(ED)*  
*Room #: 103 and 104*

11:30 AM - 1:00 PM    KEYNOTE SPEAKER: Jean-Michel Molenaar  
*Location: Great Hall - R. Haze Hunter Alumni Center*

2:00 PM - 3:30 PM    Poster Presentations  
*Location: America First Events Center (AFEC)*  
*Poster #: 1-45*

**College of Health Sciences**

10:00 AM- 11:00 AM    Oral Presentations  
*Location: J.L. Sorenson Physical Education Building (PEB)*  
*Room #: 101*

11:30 AM - 1:00 PM    KEYNOTE SPEAKER: Jean-Michel Molenaar  
*Location: Great Hall - R. Haze Hunter Alumni Center*

2:00 PM - 3:30 PM    Poster Presentations  
*Location: America First Events Center (AFEC)*  
*Poster #: 46-91*

# College of Humanities & Social Sciences

8:45 AM- 11:30 AM    Oral Presentations  
*Location: Bristlecone Hall (BH)*  
*Room #: 206, 219, 318, 320, and 322*

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10:30 AM - 11:30 AM    Thunder 91: Radio and Much More Session  
*Location: Bristlecone Hall (BH)*  
*Room #: 322*

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11:30 AM - 1:00 PM    KEYNOTE SPEAKER: Jean-Michel Molenaar  
*Location: Great Hall - R. Haze Hunter Alumni Center*

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1:15 PM - 5:00 PM    Oral Presentations  
*Location: Bristlecone Hall (BH)*  
*Room #: 206, 219, 318, 320, and 322*

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1:30 PM - 3:00 PM    Performance/Viewing Presentation  
*Location: Bristlecone Hall (BH)*  
*Room #: 320*

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2:00 PM - 3:00 PM    Performance/Viewing Presentation  
*Location: Bristlecone Hall (BH)*  
*Room #: 322*

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2:00 PM - 3:30 PM    Poster Presentations  
*Location: America First Events Center (AFEC)*  
*Poster #: 92-124*

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3:00 PM - 4:00 PM    Performance/Viewing Presentation  
*Location: Bristlecone Hall (BH)*  
*Room #: 318*

# Walter Maxwell Gibson College of Natural Sciences

8:00 AM - 10:40 AM    Oral Presentations  
*Location: Science Center (SC)*  
*Room #: 016, 114, and 214*

11:30 AM - 1:00 PM    KEYNOTE SPEAKER: Jean-Michel Molenaar  
*Location: Great Hall - R. Haze Hunter Alumni Center*

1:00 PM - 2:00 PM    Performance/Viewing Presentation  
*Location: Native Plant Garden (1150 W 200 S)*

2:00 PM - 3:30 PM    Poster Presentations  
*Location: America First Events Center (AFEC)*  
*Poster #: 168-196*

# College of Performing & Visual Arts

8:30 AM - 11:00 AM    Oral Presentations  
*Location: Bristlecone Hall (BH)*  
*Room #: 222*

9:00 AM - 10:00 AM    Performance/Viewing Presentations  
*Location: Music Center (MU)*  
*Room #: 202 and 209*

9:00 AM - 11:00 AM    Theatre Design and Production Portfolios  
*Location: Music Center (MU)*  
*Room #: Auditorium 108*

11:30 AM - 1:00 PM    KEYNOTE SPEAKER: Jean-Michel Molenaar  
*Location: Great Hall - R. Haze Hunter Alumni Center*

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1:00 PM - 1:45 PM    Oral Presentations  
*Location: Bristlecone Hall (BH)*  
*Room #: 222*

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1:00 PM - 3:00 PM    Performance/Viewing Presentation  
*Location: SUMA Classroom (MA)*

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1:30 PM - 2:30 PM    Performance/Viewing Presentation  
*Location: Library Rotunda (LIB)*

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2:00 PM - 3:30 PM    Poster Presentations  
*Location: America First Events Center (AFEC)*  
*Poster #: 198*

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6:00 PM - 8:00 PM    Performance/Viewing Presentation  
*Location: SUMA Gallery (MA)*

Gerald R. Sherratt Library & Honors

11:00 AM - 12:00 PM Oral Presentations

*Location: Gerald R. Sherratt Library (LIB)*

*Room #: 002*

11:30 AM - 1:00 PM KEYNOTE SPEAKER: Jean-Michel Molenaar

*Location: Great Hall - R. Haze Hunter Alumni Center*

2:00 PM - 3:00 PM Oral Presentations

*Location: Gerald R. Sherratt Library (LIB)*

*Room #: 002*

2:00 PM - 3:30 PM Poster Presentations

*Location: America First Events Center (AFEC)*

*Poster #: 197*



# ORAL PRESENTATIONS

## **Oral Presentations**

Dixie L. Leavitt School of Business

College of Engineering and Computational Sciences

Beverley Taylor Sorenson College of Education and Human Development

College of Health Sciences

College of Humanities and Social Sciences

Walter Maxwell Gibson College of Natural Sciences

College of Performing and Visual Arts

Gerald R. Sherratt Library and Honors

# Dixie L. Leavitt School of Business

## PRESENTATIONS BY TIME

10:00 AM		
10:00 AM	The Effect of Sports Participation on Math and Reading Comprehension Standardized Test Scores <i>Presenter: Kathrynne Pullan (Mentor: Shubhashrita Basu)</i>	BUS 120
10:00 AM	Using Mobile Apps to Improve Exams in Large Marketing Class <i>Presenter: Nabila Mannan (Mentor: Paige Gardiner)</i>	BUS 126
10:00 AM	Ethical Behavior: How Corporate Codes of Ethics, Incentives, and Conscientiousness Influence Earnings Management <i>Presenter: David Ryan</i>	BUS 242
10:00 AM	YouTube TV Marketing Research <i>Presenter: Shaylie Carr (Mentor: Kim Hyejin)</i>	BUS 244
10:20 AM	The Impact Of AI On The Managerial Systems In An Organization <i>Presenter: Matelier M. Numbi</i>	BUS 120
10:20 AM	Healthcare Management and Competing Pressures: An Institutional Logics Perspective <i>Presenter: Tasnova Nowrin (Mentor: Richard Scorsby)</i>	BUS 126
10:20 AM	Associations Between Parental Educational Attainment Influence And Their Children's Educational Outcomes <i>Presenter: Alyssa Lefevre-Rousseau (Mentor: Shubhashrita Basu)</i>	BUS 242

10:20 AM	How an Economist Thinks About Gender Issues <i>Presenter: Jinsoon Cho</i>	BUS 244
10:20 AM	Taxing Single Room Rentals <i>Presenter: David Grant (Mentor: Jon Lee)</i>	BUS 250
10:40 AM	Interest Rates and Housing Prices in the Western United States: An Associative Analysis <i>Presenter: James Chou (Mentor: Shubhashrita Basu)</i>	BUS 120
10:40 AM	Resistance, Compensation, and Efficiency: Rethinking Michelman's Costs in Land Takings <i>Presenter: Roderick He</i>	BUS 126
10:40 AM	Understanding the Role of Genetic Heterogeneity in Smoking Interventions: Experimental Evidence from the Lung Health Study <i>Presenter: Shubhashrita Basu</i>	BUS 242
10:40 AM	Urban Economics: The Impact of Urbanization on Income Inequality <i>Presenter: Michael Winder (Mentor: David Berri)</i>	BUS 244
10:40 AM	Agency Cost and Debt Financing: Evidence from Developing Countries <i>Presenter: Bina Sharma</i>	BUS 250

# College of Engineering and Computational Sciences

## PRESENTATIONS BY TIME

### 10:00 AM

10:00 AM	A Stable Numerical Scheme for a Lengyel-Epstein Reaction Diffusion Model <i>Presenter: Jianlong Han</i>	BH 116
10:20 AM	Optimizing Notetaking with AI: Evaluating Transcription Accuracy, Efficiency, and Format Accessibility <i>Presenters: Braden Minor, Kevin Ntayingi, Cedric Adams, Donald Pipkin, Olivia Young (Mentor: Emily Hooser)</i>	BH 116
10:40 AM	Breaking language Barriers: An AI Approach to American Sign Language Interpretation <i>Presenter: Spencer Smith (Mentor: Nathan Barker)</i>	BH 116

### 11:00 AM

11:00 AM	What Windows Can Learn From Linux - A New Age For Operating Systems <i>Presenter: Shawn Werber (Mentor: Alexander Nichols)</i>	BH 116
11:20 AM	Cloud Based Web Applications and Network Security <i>Presenter: Jay Phillips (Mentor: Alexander Nichols)</i>	BH 116

# Beverly Taylor Sorenson College of Education and Human Development

## PRESENTATIONS BY TIME

### 9:00 AM

9:00 AM	Exploring Inclusivity and Cultural Responsiveness: Insights from Practicum Experiences in Diverse Educational Settings <i>Presenters: Charlie Adamson, Adrianan Birchett, Leona Lombardi, Dillon Stewart (Mentor: Laureen Graves)</i>	ED 104
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9:15 AM	Exploring Inclusivity and Cultural Responsiveness: Insights from Practicum Experiences in Diverse Educational Settings <i>Presenters: Jordan Clinger, Seth Justice, Harlie Condie, Drew Talbot (Mentor: Laureen Graves)</i>	ED 104
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9:30 AM	Exploring Inclusivity and Cultural Responsiveness: Insights from Practicum Experiences in Diverse Educational Settings <i>Presenters: Zach Florence, Nola Palmer, Austyn Davis, Yaxin Lan (Mentor: Laureen Graves)</i>	ED 104
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9:45 AM	Exploring Inclusivity and Cultural Responsiveness: Insights from Practicum Experiences in Diverse Educational Settings <i>Presenters: Zoe Sager, Sophia Foy, Ellie Johnson (Mentor: Laureen Graves)</i>	ED 104
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### 10:00 AM

10:00 AM	Teacher Language in Early Education: A Focus on Praise and Encouragement in 1st Grade <i>Presenter: Grace Ash (Mentor: Brionne Neilson)</i>	ED 103
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10:00 AM	The Impact of Online Learning in the Dual Enrollment Environment <i>Presenter: Janet Johnson (Mentor: Joel Judd)</i>	ED 104
10:15 AM	Marriage Built on Friendship: The Key to a Stronger, Happier Relationship <i>Presenter: Tiffany Duncan (Mentor: Lauren Roberts)</i>	ED 103
10:20 AM	War, Education, and Entrepreneurship: Transforming the Future of Congolese Youth <i>Presenters: Dorcas Muteba</i>	ED 104
10:30 AM	Aligning a Community Informed, Culturally Consonant Healthy Relationships Curriculum with the Montana Health Enhancement Standards <i>Presenter: Erena Kolb (Mentor: Sarah Allen)</i>	ED 103
10:40 AM	Roles and Responsibilities for Faculty and Staff for ALL Learners <i>Presenter: Jenna Olson (Mentor: Tony Pellegrini)</i>	ED 104
10:45 AM	Effects of engaging in play in College Students <i>Presenters: Sydney Rhoton, Elsie Schut (Mentor: Brionne Neilson)</i>	ED 103

# College of Health Sciences

## PRESENTATIONS BY TIME

10:00 AM

10:00 AM	Measuring the Efficacy of Various Test Anxiety Reducing Methods <i>Presenters: Amber Best, Rachel Chapman, Makenzie Porter, Kenna-Rae Olaya (Mentor: Gina Profetto)</i>	PEB 101
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10:30 AM	Implementing Psyching-Up Strategies Improves Physical Performance But Not Mental Toughness Or Anxiety In Competitive Swimmers <i>Presenter: Amie Despain (Mentor: Christine Samson)</i>	PEB 101
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# College of Humanities & Social Sciences

## PRESENTATIONS BY TIME

### 8:00 AM

8:45 AM	Ceramics: A Stylistic, Temporal, and Spatial Analysis of a Virgin River Anasazi Site <i>Presenter: Nyah Anderson (Mentor: Matthew Newsom)</i>	BH 318
8:45 AM	Fearful, Not Feared: Indigenous Storytelling of Naivety in Louise Erdrich's The Round House <i>Presenter: Erin Atkinson (Mentor: Ryan Siemers)</i>	BH 320

### 9:00 AM

9:00 AM	Loneliness, Meaning, Social Support, and Relationship Trust among Veteran College Students <i>Presenters: Samantha Brooks, Justin Conrad, Kelsey Shields (Mentors: Bryan Koenig, Danny Hatch, Kirsten Graham)</i>	BH 206
9:00 AM	Genocide Investigations: Forensic Anthropological Methods and the Implications for Human Rights Violations <i>Presenter: Saskia Boer (Mentor: Matthew Newsom)</i>	BH 318
9:00 AM	X-Posing the Gaze: Identification, Repression, and the Spectacle of Desire in Ti West's X <i>Presenter: Jacob Carr (Mentor: Ryan Siemers)</i>	BH 320
9:00 AM	Embroidered Pillows and Bound Feet: Beauty and Women's Subjugation in China <i>Presenter: Lizzy Erwin (Mentor: Sandy Zhang)</i>	BH 322



9:15 AM	Suicide Motivation and Prevention <i>Presenter: Jenny Funk (Mentor: Bryan Koenig)</i>	BH 206
9:15 AM	Why Do Ex-Mormons Love Coffee So Much?: Coffee Consumption as a Reverse Rite of Passage Among Ex-Mormons <i>Presenter: Darcy Brumfield (Mentor: Matthew Newsom)</i>	BH 318
9:15 AM	Magical Realism: Resisting Postcolonial Society in Midnight's Children <i>Presenter: Morganne Price (Mentor: Ryan Siemers)</i>	BH 320
9:15 AM	The Challenges of Learning Mandarin as an English Speaker <i>Presenter: Cameron Stewart (Mentor: Sandy Zhang)</i>	BH 322
9:30 AM	Impact of Personality Traits in Workplace Dynamics. <i>Presenter: Carl Johnson (Mentor: Bryan Koenig)</i>	BH 206
9:30 AM	I Was the Only One in the Room: The Collective Memories of Black Adoptees in Utah <i>Presenter: Paige Iverson (Mentor: Matthew Newsom)</i>	BH 318
9:30 AM	Navigating Morality and Technology in "Klara and the Sun" <i>Presenter: Addison Smith (Mentor: Ryan Siemers)</i>	BH 320
9:30 AM	Building A Personal Social Media Brand in 30 Days <i>Presenter: Isabela De Las Casas</i>	BH 322
9:45 AM	Comparing Veteran and Non-Veteran Students while Controlling for ACEs: An Exploratory Analysis of 41 Mental Health Variables <i>Presenters: Justin Conrad, Samantha Brooks, Kelsey Shields (Mentors: Bryan Koenig, Daniel Hatch, Kirsten Graham)</i>	BH 206

9:45 AM	Dietary Budgets of Mantled Howler Monkeys ( <i>Alouatta palliata</i> ) with and without infants at La Suerte Biological Research Station <i>Presenter: Carlyn Jenkins (Mentor: Matthew Newsom)</i>	BH 318
9:45 AM	A Riddle Inside an Enigma: Baudrillard's Four Stages of Simulacra, Oliver Stone's "JFK", and the Efforts of Historical Fiction to Reckon with the Kennedy Assassination <i>Presenter: Ezra Stein (Mentor: Ryan Siemers)</i>	BH 320
9:45 AM	A Flower Pot for a Guixiu: Inspired by Embroidered Pillows <i>Presenter: Aurianne Poirot (Mentor: Sandy Zhang)</i>	BH 322

## 10:00 AM

10:00 AM	A Qualitative Analysis of Mentorship at SUU and a Methodological Exploration of Nvivo vs Open Coding Methods <i>Presenters: River G. Lee, Darian Hall, Liz Gilberg (Mentor: Sierra Warner)</i>	BH 219
10:00 AM - 11:30 AM	Thunder 91: Radio and Much More <i>Presenters: Piper Deamer, Katie Christensen, Amanda Flowers, Nathaniel Buck, Anna Mower, Dallin Richards, Rob Burdzy, Kaitlynne Cowart, Brynn Smith, William Heaton, Cormick Bone (Mentor: Ryan Steineckert)</i>	BH 322
10:15 AM	Exploring the Need for Self-Esteem <i>Presenter: Linzey Redford (Mentor: Bryan Koenig)</i>	BH 206
10:15 AM	Traumatic Brain Injury Treatment Outcomes in Young Women <i>Presenter: Cassidy Robertson (Mentor: Sierra Warner)</i>	BH 219

10:15 AM	Women and the LDS Church: Social Memory and Gender Identity <i>Presenter: Sydney Newell (Mentor: Matthew Newsom)</i>	BH 318
10:15 AM	"Abandon All Hope, Ye Who Enter Here": Financial Masculinity and Gender Performance in American Psycho <i>Presenter: Kiara Wright (Mentor: Ryan Siemers)</i>	BH 320
10:30 AM	Effects of Trauma and the Process of Overcoming it <i>Presenter: Sandra Rutijana Saro (Mentor: Bryan Koenig)</i>	BH 206
10:30 AM	Unraveling Faith, Rebuilding Identity: Mental Health in Religious Identity Shifts <i>Presenters: Emma Streadbeck, Brenna Bushman, Keelie Stewart, Summer Pereira, Sophia Mefford, Darian Hall, Emma Page, Lizzy Erwin, Sophi Burgess, Jaguar Walker, Raquel Passey, Sammy Hogson (Mentor: Sierra Warner)</i>	BH 219
10:30 AM	The Impact of Familial and Religious Narratives on Sexuality and Reproductive Decisions Among Women Residing in Rural Utah <i>Presenter: Halle Romine (Mentor: Matthew Newsom)</i>	BH 318
10:30 AM	Neuroqueering Masked Autistic Male Representation in Ezra <i>Presenter: Christian Paystrup (Mentor: Ryan Siemers)</i>	BH 320
10:45 AM	Resilience at SUU <i>Presenter: Anthony Wright (Mentor: Bryan Koenig)</i>	BH 206
10:45 AM	Keys to Acceptance: Altruism at SUU <i>Presenters: Taya Jeppesen, Cynthia Barlow (Mentor: Sierra Warner)</i>	BH 219

10:45 AM	The academic experience of ESL students at SUU transitioning from ESL classes to their undergraduate classes. <i>Presenter: Brittani Vlam (Mentor: Matthew Newsom)</i>	BH 318
10:45 AM	Surveillance and Repression: McCarthyism and the Lavender Scare in The Price of Salt <i>Presenter: Chelsea Jocelyn (Mentor: Ryan Siemers)</i>	BH 320
11:00 AM	Connection Between the Olfactory System and Personality Traits of Introversion and Extroversion <i>Presenter: Samantha Brooks (Mentor: Britt Mace)</i>	BH 206
11:00 AM	Competing Ideologies and Imagined Futures: Land Development and Drought in Southwestern Utah <i>Presenter: Soren Wood (Mentor: Matthew Newsom)</i>	BH 318
11:15 AM	Rethinking "Unreliable Narrators" in The Yellow Wallpaper <i>Presenter: Darcy Brumfield (Mentor: Ryan Siemers)</i>	BH 320
11:15 AM	Sacred Stress: The Psychological Impact of Religion on Identity <i>Presenters: Brenna Bushman, Emma Streadbeck (Mentor: Garrett Strosser)</i>	BH 206
1:15 PM	Benefits of Writing on Overall Mood and Self-Efficacy <i>Presenter: Samantha Brooks (Mentor: Kevan LaFrance)</i>	BH 206
1:30 PM	Maslow's Theory of Personality <i>Presenter: Tanner Corbridge (Mentor: Kevan LaFrance)</i>	BH 206

1:30 PM	Happiness in the Human Resource Office <i>Presenter: Isaac Torres (Mentor: Matthew Newsom)</i>	BH 318
1:30 PM - 3:00 PM	Creative Writing Senior Capstone Reading <i>Presenters: Aspen Einerson, Lacey Cluff, Jesse Sheckler, Kelsey Jensen, Hailea Drummond, Shea Shurtz, Jessica Cluff, Elias Mc Daniel (Mentor: Todd Petersen)</i>	BH 320
1:45 PM	Are You Ready to Be a Parent? ACE's Relation On Desire to Parent <i>Presenters: Jordanelle A. Caldwell, Alexis D. Whaley, River G. Lee, Mason Lyman (Mentor: Kattera Johnson)</i>	BH 206
1:30 PM	Where Do I Call Home? <i>Presenter: Daniel Medina Sandoval (Mentor: Matthew Newsom)</i>	BH 318
2:00 PM		
2:00 PM	Effects of True Crime on (SUU) College Student's Emotional and Behavioral Responses <i>Presenters: Hazel Petersen, Emily Bailey (Mentor: Kattera Miller)</i>	BH 206
2:00 PM	On Adolescent Treatment Facilities in Utah <i>Presenter: Stephon Gilbert-Ouahib (Mentor: Matthew Newsom)</i>	BH 318
2:00 PM - 3:00 PM	Student Video Productions <i>Presenters: Katie Christensen, Alora Bailey, Josh Bullock, Rob Burdzy, Cole Garney, Bailey Giles, Wangwei Qian, Naomi Sorensen, Emily Walters, Caden Wiegman (Mentor: Jon Smith)</i>	BH 322

2:30 PM	<p><b>Zebra Finch Melodies: The Effect of Live vs Digital and Analog Recordings of Nature Sounds on EEG Asymmetry, Mood, Aggression, and Empathy</b></p> <p><i>Presenters: Mason Huff, Alexis D. Whaley, Alexis Downey</i>  <i>(Mentor: Lynn White)</i></p>	BH 206
2:45 PM	<p><b>Physiological Effects of Stress and Perceived Social Support: The Impact of Quality of Relationships</b></p> <p><i>Presenter: Jordanelle A. Caldwell (Mentor: Sierra Warner)</i></p>	BH 206
<b>3:00 PM</b>		
3:00 PM	<p><b>A Babbling Brook: The Effect of Digital vs Analog Recordings of Nature Sounds on EEG Asymmetry, Mood, Aggression, and Empathy</b></p> <p><i>Presenters: Damian V. Jesus, Jordanelle A. Caldwell</i>  <i>(Mentor: Lynn White)</i></p>	BH 206
3:00 PM - 4:00 PM	<p><b>Roundtable on Sustainability, Education, and the Future</b></p> <p><i>Presenters: Kalea Lattin, Sydney Newell, Soren Wood, Merrideth Kiernan, Jesse Pfister, Audrey Hall, Natasha Anderson (Mentor: Matthew Newsom)</i></p>	BH 318
3:15 PM	<p><b>Rock On: The Effect of Digital and Analog Recordings of Music on Autonomic Nervous System Activity</b></p> <p><i>Presenters: Madison Ward, Adam Jones (Mentor: Lynn White)</i></p>	BH 206
3:30 PM	<p><b>Rock On: The Effect of Digital and Analog Recordings of Music on EEG Asymmetry</b></p> <p><i>Presenters: Sam Webster, Alexis Downey, Jordanelle A. Caldwell, Damian V. Jesus, Mason Huff, Paige Kennedy, Pengcheng Li, Kaden Gardner (Mentor: Lynn White)</i></p>	BH 206

3:45 PM	A Babbling Brook: The Effect of Digital vs Analog Recordings of Nature Sounds on Sympathetic Nervous System Activity, Mood, Aggression, and Empathy <i>Presenters: Madison Ward, Samantha Brooks, Katharine Tesar (Mentor: Lynn White)</i>	BH 206
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4:00 PM

4:00 PM	Construction and Validation of the Self-Motives for Academic Competition Scale (SMAC) <i>Presenter: Lexi Downey (Mentor: Kirsten Graham)</i>	BH 206
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4:15 PM	Moments of Play: Exploring a Mother’s Perspective on the Benefits and Interactions of Play within the Household <i>Presenter: River G. Lee (Mentor: Julie Pynn)</i>	BH 206
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4:30 PM	Students’ Belonging and Stress: Qualitative and Quantitative findings from a Regional University <i>Presenters: Syd Recce, Sophie Snow, Isabella Monge (Mentor: Joshua Brown)</i>	BH 206
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4:45 PM	Rock On: The Effect of Digital and Analog Recordings of Music on the Blood Glucose Stress Response, Sociability, and Aggression in Mice <i>Presenters: Katharine Tesar, Lillian E. Puckett, Alexis D. Whaley, Bridger J. Hubble, Chaoran Li, Joshua Vernon, Jason M. Walters (Mentor: Lynn White)</i>	BH 206
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# Walter Maxwell Gibson College of Natural Sciences

## PRESENTATIONS BY TIME

8:00 AM		
8:00 AM	Assessing Safety Challenges for Active Transportation at SUU <i>Presenter: Jesse Pfister (Mentor: Jamie Spinney)</i>	SC 016
8:00 AM	Investigating the effects of MS-222 on cardiovascular function in leopard frogs ( <i>Rana Pipiens</i> ) <i>Presenters: Terrell Lee, Remi Cummings (Mentors: Matthew Weeg, Mary Jo Tufte)</i>	SC 114
8:00 AM	From Ancient Cyanobacteria to Future Tech: The Chemistry of Dipyrrroles <i>Presenters: Jaren Meikle, Samuel Archer (Mentor: Jacob Dean)</i>	SC 214
8:20 AM	Deer Crossing in Cedar City: Assessing Wildlife Movement and Roadway Safety <i>Presenter: Jhen Seguiwan (Mentor: Jamie Spinney)</i>	SC 016
8:20 AM	Assessing the Zoophobic Stimuli Response of Students <i>Presenters: Helen Boswell-Taylor, William Heyborne</i>	SC 114
8:20 AM	2D Fluorescence of Phycocyanin Bioconjugation and its impact on light harvesting <i>Presenter: Brecken Shakespeare (Mentor: Jacob Dean)</i>	SC 214



8:40 AM	Machine Learning as a Tool for Forecasting Harmful Algal Blooms <i>Presenter: McKelle Cornelius (Mentor: David Maxwell)</i>	SC 016
8:40 AM	An Analytical Look At The Detrimental Effects of Soaking <i>Presenters: Seunghwan Shin, Braden Nelson, Morgan Whitaker, David Mefford (Mentor: Kim Weaver)</i>	SC 114
8:40 AM	Encapsulation of Chemotherapeutic Temozolomide in Bovine-Milk Derived Extracellular Vesicles <i>Presenters: Charlee Cannon, Torrance Johnson (Mentor: Jessica Pullan)</i>	SC 214
9:00 AM		
9:00 AM	Integrating Geospatial Technologies within Small Scale Farming <i>Presenter: Emma Tischner (Mentor: David Maxwell)</i>	SC 016
9:00 AM	Chemical and Microbiological Characterization of the Coal Creek Drainage Basin <i>Presenters: Chris Caruso, Cauly Williams, Sarah Slikkerveer (Mentor: Kim Weaver)</i>	SC 114
9:00 AM	Hyperemesis Gravidarum: Investigating the Role of GDF15 Genetic Mutations <i>Presenters: Jackson Thomas, Maxwell Richtsteig (Mentor: Jessica Pullan)</i>	SC 214

9:20 AM	Lithostratigraphic correlations and vertebrate paleontology of the Late Triassic Chinle Formation in southwestern Utah <i>Presenter: Nathan Martin (Mentor: Grant Shimer)</i>	SC 016
9:20 AM	Analysis of Metal Ions in Human and Bovine Teeth Using X-Ray Fluorescence and Inductively Coupled Plasma-Mass Spectrometry <i>Presenters: Russell Bodily, Samuel Archer, Jaren Meikle, Kordell Welch (Mentor: Kim Weaver)</i>	SC 114
9:20 AM	Mechanism of Histidine Ammonia Lyase <i>Presenters: Isabel Amaro Leon, Romina Peralta, Jessica Munro (Mentor: Elizabeth Pierce)</i>	SC 214
9:40 AM	Taphonomic, Stratigraphic, and Morphological Analysis of Hadrosauroids From the Lower Wahweap Formation (early Campanian): Insights Into the Early Evolution and Ecology of Hadrosauridae in North America <i>Presenter: Madison Watkins (Mentor: Grant Shimer)</i>	SC 016
9:40 AM	Determination of Mercury in Fish from Northern Utah Using Atomic Absorption Spectroscopy <i>Presenters: Amy Hibbard, Reid Cope, Becca MacGillvray, Chris Caruso (Mentor: Kim Weaver)</i>	SC 114
9:40 AM	Stereocontrolled Synthesis of (E)-stilbene Derivatives by Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling Reaction <i>Presenter: Nathan Werner</i>	SC 214

10:00 AM

10:00 AM      Enhancing Human Anatomy Education with Virtual Reality      SC 114

*Presenters: Caleb Hoffman, Remi Cummings*

*(Mentors: Sarah Brock, Jennifer Mraz-Craig)*

10:00 AM      Chemistry Cornerstone: A New Class for a New      SC 214  
Generation of Students

*Presenters: Elaine Vickers, Jessica Pullan, Guizella Rocabado*

10:20 AM      Measuring Dissolved Oxygen in Water Using Microfluidics      SC 214

*Presenters: Corban Kerr, Thomas Mendoza*

*(Mentor: Chris Monson)*

1:00 PM

1:00 PM      Arbor Day Celebration: SUU's New Pollinator Garden, A      Pollinator  
Sanctuary For Nature and People      Garden

*Presenters: Angela Patino-Acevedo, Barry Pearson,*

*Ryan Johnson, Ben Cozzens, Valerie Meyer, Heidi*

*Toia, Steve Daynes, Ross Murdock (Mentors: Matt*

*Ogburn, Fredric Govedich, Samuel Wells)*

# College of Performing & Visual Arts

## PRESENTATIONS BY TIME

### 8:00 AM

8:30 AM	Blood Orange: Period Products For Every Body <i>Presenter: Gracie Saunders (Mentor: Susanna Herrmann)</i>	BH 222
8:45 AM	Beyond the Surface: Exploring Emotions Through Design <i>Presenter: Maren Green (Mentor: Susanna Herrmann)</i>	BH 222

### 9:00 AM

9:00 AM	Western Wonders: A Coloring Book By Jens Peterson <i>Presenter: Jens Peterson (Mentor: Susanna Herrmann)</i>	BH 222
9:00 AM	Oye Como Va - Jazz Dance Conference West, May 2024 <i>Presenters: Ty Sheriff, Sarah Hall (Mentor: Danielle Sheather)</i>	MU 209
9:15 AM	Ground & Glow: Mindfulness Cards <i>Presenter: Abby Davis (Mentor: Susanna Herrmann)</i>	BH 222
9:30 AM	O'Lawzee Quilt Co. <i>Presenter: Aimee Barton (Mentor: Susanna Herrmann)</i>	BH 222
9:30 AM	Degrees of Interactivity in Electroacoustic Bassoon Music <i>Presenter: Benjamin Bradshaw (Mentor: First Last)</i>	MU 202 (Thorley Hall)
9:45 AM	Handprint: Bridging New Technology and Tradition <i>Presenter: RaKell Heaton (Mentor: Susanna Herrmann)</i>	BH 222

## 10:00 AM

10:00 AM	Reimagining The Winning <i>Presenter: Amaia Garate (Mentor: Susanna Herrmann)</i>	BH 222
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10:15 AM	Pocket Press: A Zine Collection at Southern Utah University <i>Presenter: Hope Thomas (Mentor: Brock Landrum)</i>	BH 222
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10:45 AM	A Polyvagal Approach to Connection & Learning in Dance <i>Presenter: Alexandra Bradshaw-Verby</i>	BH 222
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## 1:00 PM

1:00 PM	A Behind the Scenes Look on Leadership Philosophy <i>Presenter: Sierra May (Mentor: Kolby Clarke)</i>	BH 222
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1:00 PM - 3:00 PM	Top Grad BFA Artist Talks <i>Presenter: Jason Moodie (Mentor: Jeff Hanson, Hala Swearingen)</i>	SUMA Classroom and Gallery
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1:15 PM	The Secrets to Designing Lights <i>Presenter: April Bisek (Mentor: Kolby Clarke)</i>	BH 222
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1:30 PM	Katherine Dunham: A Way of Life <i>Presenter: Danielle Sheather</i>	BH 222
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1:30 PM - 2:30 PM	Collective Resonance <i>Presenter: Gary Howe (Mentor: Joseph Howe)</i>	Library Rotunda
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## 6:00 PM

6:00 PM - 8:00 PM	BFA Student Exhibition Opening Reception <i>Presenter: Jason Moodie (Mentor: Jason Moodie)</i>	SUMA Gallery
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# Gerald R. Sherratt Library & Honors

## PRESENTATIONS BY TIME

11:00 AM		
Canceled	Building Bridges: Fostering Mindfulness, Support, and Community Engagement for the Homeless Population <i>Presenter: Kiley Thackeray (Mentor: Kathy Ruiz)</i>	LIB 002
11:20 AM	Justice vs. Misjudgment: Analyzing Juror Confidence in Eyewitness Testimony <i>Presenter: Jace Wood (Mentor: Jeanne Subjack)</i>	LIB 002
11:40 AM	Let's Talk About Sex: Changing Sexual Health Education and Support in Southern Utah <i>Presenter: Halle Romine (Mentor: Katie Englert)</i>	LIB 002
2:00 PM		
2:00 PM	Professional Music at Any Age <i>Presenter: Paul Pulsipher (Mentor: McKay Tebbs)</i>	LIB 002
2:20 PM	Network Security and Making it Applicable to the Common Population <i>Presenter: Savannah Pearson (Mentor: Katie Englert)</i>	LIB 002
2:40 PM	Bridging the Gap: Law Enforcement and Community Perspectives on Mental Health <i>Presenter: Jackie Hammack (Mentor: Delane Smith)</i>	LIB 002

# POSTER PRESENTATIONS

## **Oral Presentations**

Dixie L. Leavitt School of Business

College of Engineering and Computational Sciences

Beverley Taylor Sorenson College of Education and Human Development

College of Health Sciences

College of Humanities and Social Sciences

Walter Maxwell Gibson College of Natural Sciences

College of Performing and Visual Arts

Gerald R. Sherratt Library and Honors

# Dixie L. Leavitt School of Business

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

### 2:00 PM - 3:30 PM

Poster 132    Physician and Patient Communication  
*Presenter: Hanslee Peay (Mentor: Braden Bagley)*

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Poster 133    Pay Taxes Now or Pay Taxes Later  
*Presenter: Kylee Pyfer (Mentor: Jon Lee)*

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# College of Engineering and Computational Sciences

## POSTER PRESENTATIONS BY TIME

(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)

Poster Numbers refer to the Poster Presentation Map found on page 6.

### 2:00 PM - 3:30 PM

Poster 135	Slab of Ice Melting Rate Due to Natural Convection and Thermal Radiation <i>Presenter: Tim Amodt (Mentor: Ali Siahpush)</i>
Poster 136	Heat Transfer Experiment: Top-Down Spray-Type Direct Evaporative Cooler <i>Presenter: Erik Berthoty (Mentor: Ali Siahpush)</i>
Poster 137	A Deep Learning Approach to Vehicle-to-Vehicle Communication for Enhanced Road Safety <i>Presenter: Karson Blomquist (Mentor: Prosenjit Chatterjee)</i>
Poster 138	CCET 4610 Class Presentation <i>Presenter: Janee Doomey (Mentor: Richard Cozzens)</i>
Poster 139	Human Digital Twins Frameworks in Healthcare Using Genetic Algorithms and Deep Learning <i>Presenter: Matias Hadjadj (Mentor: Prosenjit Chatterjee)</i>
Poster 140	Experimental Indirect Evaporative Cooling Fridge <i>Presenter: Lucas Hatch (Mentor: Ali Siahpush)</i>
Poster 141	SUU Tech Hub <i>Presenter: Jeshua Herrera, Andres Egüez (Mentor: Nathan Barker)</i>

Poster 142	Pirouettes and Pixels: Revolutionizing Ballet Mastery with Deep Learning <i>Presenter: Jonah Hoff (Mentor: Prosenjit Chatterjee)</i>
Poster 143	Can Electronic Use Have a Negative Impact in Cognitive Development? <i>Presenter: Carson Minnaar</i>
Poster 145, Poster 146	Integrating Artificial Intelligence with Brain Computer Interfaces for Mind Controlling Prosthetics <i>Presenter: David Austin, Sabastien Fregeau, Rob DeLaMare, Nethaneel Taylor (Mentor: Masoud Malekzadeh)</i>
Poster 147, Poster 148	VR Field Trip <i>Presenter: Anakin Lee, Haley Bush, Spencer Smith, Jakob Dowdle, Noah Fithian, Camden Calandrino (Mentor: Jeffrey Miller)</i>
Poster 149, Poster 150	Low-Cost Dual-Band Radar System for 3D Drone Detection and Tracking with AI-Driven Target Prioritization <i>Presenter: Ahmed Amin (Mentor: Ahmed Amin)</i>
Poster 151, Poster 152	Alzheimer's Disease Detection using Deep Learning <i>Presenter: Abbie Pitts (Mentor: Prosenjit Chatterjee)</i>
Poster 153, Poster 154	Remote-Controlled Sport Flyer Aircraft <i>Presenter: Joshua Merkley, Trevor Anderson, Erik Berthoty, Brock May (Mentor: Jacob Bishop)</i>
Poster 155, Poster 156	Hieroglyphic Encryptions: A Deep Learning Approach <i>Presenter: Benjamin Pimentel (Mentor: Prosenjit Chatterjee)</i>
Poster 157, Poster 158	Mechanical System of a Hydroelectric Pumped Storage System <i>Presenter: Kailee Richman, Adam Burggraaf, Charles Del Quadro (Mentor: Jacob Bishop)</i>
Poster 161	Continuous Authentication by Keystroke and Mouse Analysis through Graph Neural Networks <i>Presenter: Rick Navarro (Mentor: Prosenjit Chatterjee)</i>

Poster 162    The Future Danger of Imported Microchips-Why America  
Must Take Control of Semiconductor Production  
*Presenter: Matelier M. Numbi (Mentor: Gaston Elongha)*

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Poster 163    Critical Radius of Insulation for a Cylindrical Copper Tube  
*Presenters: Raine Pratt, Taylor Davis, Brock May, Raine Pratt  
(Mentor: Ali Siahpush)*

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Poster 164    Heat Transfer Analysis of Melting Rate of Ice In Clay and Paper Mixture  
Containers  
*Presenter: Kailee Richman, Sadie Schenk, Max Whipple, Alex Ladd  
(Mentor: Ali Siahpush)*

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Poster 165    Streamflow and Geomorphology of Mountain Streams in the Parowan  
Valley Watershed  
*Presenter: Jacob SantanaDevon Fischer, Ian Meyer,  
(Mentor: Erich Mueller)*

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Poster 166    Launch and Analysis of High Altitude PICO Weather Balloon  
*Presenter: Sadie Schenkaylor Davis, Raine Taylor,  
(Mentor: Ali Siahpush)*

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Poster 166    Feasibility and Design of a Custom Manual Transmission *Presenter:*  
*Max Whipple, Alex Ladd, Tyler Van Meter, Nick Pembroke (Mentor:*  
*Jacob Bishop)*

# Beverly Taylor Sorenson College of Education and Human Development

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

### 2:00 PM - 3:30 PM

Poster 1	Are Men and Women Born with Immutable Gender Roles? <i>Presenters: Addy Yorgason, Brinley North, Ashton Avery, Camille Wilcox (Mentor: Clint Broadbent)</i>
Poster 2	Are Men and Women Born with Immutable Gender Roles? <i>Presenters: Emersyn Parker, Brooklyn Hone, Janzie Jensen, Brock Syrett (Mentor: Clint Broadbent)</i>
Poster 3	Are Personality Traits the Greatest Predictor of Future Lifestyle Choices? <i>Presenters: Brennan Baker, Portia Sooter, Jacee Davis, Molly Pearson (Mentor: Lauren Roberts)</i>
Poster 4	Are Remarried Families More Likely to Have Problems Than Families That Are Only Married Once? <i>Presenters: Madi Brown, Jarrett Randle, Shaylee Johnson, Isaac Mukendi (Mentor: Lauren Roberts)</i>
Poster 5	Are Remarried Families More Likely to Have Problems Than Families That Are Only Married Once? <i>Presenters: Tenessa Soffe, Karesa Soffe, Ashton Clark, Lydia Sullivan (Mentor: Lauren Roberts)</i>
Poster 6	Are Today's Parents Too Permissive? <i>Presenters: Clancy Christensen, Tristian Degrey, Jessica Tait, Aspen Hughes (Mentor: Clint Broadbent)</i>

Poster 7	<p><b>Are Today's Parents Too Permissive?</b></p> <p><i>Presenters: Rachel Blodgett, Mayce Dalton, Alyssa Heaton, Dyashawn Barnes (Mentor: Lauren Roberts)</i></p>
Poster 8	<p><b>Are Vaccines Safe For Infants?</b></p> <p><i>Presenters: Lia Timoney, Ethan Cornish, Lily Covington, Brynn Anderson (Mentor: Clint Broadbent)</i></p>
Poster 9	<p><b>Can Electronic Use Have a Negative Impact in Cognitive Development in Early Childhood?</b></p> <p><i>Presenters: Jenna Hortin, Jenna Hortin, Chloe Christophersen, Kaleb Kirby, Alexa Vazquez (Mentor: Lauren Roberts)</i></p>
Poster 10	<p><b>Can Experiencing Bullying as a Youth Have Long-Lasting Effects?</b></p> <p><i>Presenters: Katie Brunner, Brooke Atkinson, Bailey Bennett, Omi Tau (Mentor: Lauren Roberts)</i></p>
Poster 11	<p><b>Can Experiencing Bullying as a Youth Have Long-Lasting Effects?</b></p> <p><i>Presenters: Lisa Marie Hohenhausen, Braxton Baker, Jacie Riding, Lexi Tychsen (Mentor: Clint Broadbent)</i></p>
Poster 12	<p><b>Did Covid-19 Negatively Impact Children's Development?</b></p> <p><i>Presenters: Abby Wheelwright, Hannah Parkin, Zeena Magar, Sandika Shrestha (Mentor: Lauren Roberts)</i></p>
Poster 13	<p><b>Did Covid-19 Negatively Impact Children's Development?</b></p> <p><i>Presenters: Kaitlyn Lovell, Adrin Partridge, Izzy Bird, Kambree Cragun (Mentor: Clint Broadbent)</i></p>
Poster 14	<p><b>Does Cohabitation Lead to Better Relationships/Marriage?</b></p> <p><i>Presenters: Lauren Knight, Kunjang Sherpa, Savannah Buchanan, Rhema Kazala (Mentor: Clint Broadbent)</i></p>

Poster 15 Does Cohabitation Lead to Better Relationships/Marriage?  
*Presenters: Tyce Knudsen, Sarah Sommers, Brooklyn Knudson, Katelyn DeMille (Mentor: Lauren Roberts)*

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Poster 16 Does Having Children Lead to Greater Marital Satisfaction?  
*Presenters: Andrew Richey, Kassidy Richey, Evan Monson, Paige Dolan (Mentor: Lauren Roberts)*

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Poster 17 Is "Sleep-Training" Beneficial for the Child and/or Parents?  
*Presenters: Cassidy Anglin, Miradi Akangambo, Camo McDonald, Breanna Wilson (Mentor: Clint Broadbent)*

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Poster 18 Is a Home Birth a Better Experience than a Hospital Birth?  
*Presenters: Maddie Cole, Syrie Brazzle, Victoria Chavira, Natalie Nelson (Mentor: Lauren Roberts)*

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Poster 19 Is Abstinence-Only Sex Education An Effective Approach With Adolescents  
*Presenters: Eliza Bleak, Miranda Bailey, Paige Ludden (Mentor: Lauren Roberts)*

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Poster 20 Is Abstinence-Only Sex Education An Effective Approach With Adolescents  
*Presenters: Dave Gosz, Eva Luna Favene, Laynee Carter, Mikenna Holm, Rylee Dell (Mentor: Clint Broadbent)*

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Poster 21 Is Alcoholism and the Abuse of Other Drugs Hereditary?  
*Presenters: Gabby Aguilar, Alyssa Kunka, Harlee Riggins, Skyelier Radakar (Mentor: Lauren Roberts)*

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Poster 22 Is Alcoholism and the Abuse of Other Drugs Hereditary?  
*Presenters: Jon Bodnar, Aris Isom, Kourtney Brooks, Lucy Nickle (Mentor: Clint Broadbent)*

Poster 23      Is Attending Childcare Facilities During the First Three Years of Life is Psychologically Damaging To Children?

*Presenters: Kaitlyn Aleshire, Larisia Ntenda, Grace Amane, Kenadee Heaton (Mentor: Clint Broadbent)*

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Poster 24      Is Breast or Bottle Feeding Better for Newborns and Parents?

*Presenters: Killian Robinson, Katelyn Howard, Ellie Bateman, Joslyn Huges (Mentor: Clint Broadbent)*

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Poster 25      Is Breast or Bottle Feeding Better for Newborns and Parents?

*Presenters: Brinley Wallin, Sydney Orton, Chloe Elliott, Carolina Mares (Mentor: Lauren Roberts)*

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Poster 26      Is Co-Sleeping a Safe Choice for Parents and Infants?

*Presenters: Grace Benham, Casey San Martin, Adela Masarykova, Genevieve Telford (Mentor: Lauren Roberts)*

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Poster 27      Is Co-Sleeping a Safe Choice for Parents and Infants?

*Presenters: Pasang Sherpa, Meena Lama (Mentor: Clint Broadbent)*

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Poster 28      Is Divorce the Highest it Has Ever Been?

*Presenters: Brooke Bullock, Addison Doane, Nate Bachman, Qaid Mackert (Mentor: Lauren Roberts)*

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Poster 29      Is Divorce the Highest it Has Ever Been?

*Presenters: Saidi Richardson, Melissa Parsons, Makayla Rigby, Paxton Feltner (Mentor: Clint Broadbent)*

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Poster 30      Is Language Development Solely the Product of Conditioning?

*Presenters: Karlie Olsen, Biplab Negi Lama, Divine Nsekanda, Lindsay Walton (Mentor: Clint Broadbent)*

Poster 31     Is Language Development Solely the Product of Conditioning?  
*Presenters: Janie Webb, Sofi Bills, Ethan Harrison, Adrian Tebet Baez*  
*(Mentor: Lauren Roberts)*

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Poster 32     Is Social Media an Effective Tool for Finding Romantic Partners?  
*Presenters: Arianna Collier, Brad Wero, Thalia Lindley, Zoe Dotson*  
*(Mentor: Lauren Roberts)*

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Poster 33     Is Social Media an Effective Tool for Finding Romantic Partners?  
*Presenters: Gabby Carter, Brooklyn Christensen, Gabby Carter, Marley*  
*Hafen, Olivia Staheli (Mentor: Clint Broadbent)*

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Poster 34     Is Social Media to Blame for the Increase in Depression in Teens?  
*Presenters: Isabel Carroll, Summer Palmer, Haley Slater, Elyse London*  
*(Mentor: Clint Broadbent)*

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Poster 35     Is Standardized Testing the Best Way to Know Someone's Intelligence?  
*Presenters: Katelin Pugh, David Taylor, Hailey Hall, Emery Cook*  
*(Mentor: Clint Broadbent)*

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Poster 36     Is Standardized Testing the Best Way to Know Someone's Intelligence?  
*Presenters: Rachel Chapman, Chloe Ray, Jalyne Waddoups, Tymbre*  
*Palfreyman, Rachel Chapman (Mentor: Lauren Roberts)*

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Poster 37     Is There a Difference Between Children of Same Sex Couples  
and Male/Female Parents?  
*Presenters: Haelynn Anderson, Haelynn Anderson, Max Kropf, Astrid*  
*Howard, Zo Harmer (Mentor: Lauren Roberts)*

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Poster 38     Is There a Difference Between Children of Same Sex Couples  
and Male/Female Parents?  
*Presenters: Sierra Nicholls, Cody Hatch, Alex Smith, Carlie Pipkin*  
*(Mentor: Clint Broadbent)*



Poster 39     Rediscovering the Outdoors: The Essential Role of Nature-based Play  
*Presenter: Bailey Hadley (Mentor: Brionne Neilson)*

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Poster 41     Should Children with Learning Disabilities be Mainstreamed?  
*Presenters: Ashtyn Giles, Stephanie Gordon, Kaden Grunig, Abbie Marchant (Mentor: Lauren Roberts)*

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Poster 42     Should High Schools Start Later in the Day?  
*Presenters: Lacey Nydegger, Malea Farrimond, Zoie Eriksson, Pragati Tiwari (Mentor: Clint Broadbent)*

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Poster 43     Should the School Year be Lengthened?  
*Presenters: Alice Wedig, Kenadie Spencer, Brooklynne Reyes, Anais Omambo (Mentor: Lauren Roberts)*

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Poster 44     Should There be a Mandatory Retirement Age?  
*Presenters: Addie Gockley, Saige Thompson, Spencer Lloyd, ioanalani Lotu (Mentor: Clint Broadbent)*

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Poster 45     Is Attending Childcare Facilities During the First Three Years of Life is Psychologically Damaging To Children?  
*Presenters: Annabella Wolfert, Julie Russo, Cade Iverson, Kabama Kabole (Mentor: Clint Broadbent)*

# College of Health Sciences

## POSTER PRESENTATIONS BY TIME

(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)

Poster Numbers refer to the Poster Presentation Map found on page 6.

### 2:00 PM - 3:30 PM

Poster 46	<p>Nursing EBP Group #1</p> <p><i>Presenters: Emma Aadland, Kennedy Barr, Josie Ballard, Milly Albrecht</i></p> <p><i>(Mentor: Sierra Lund)</i></p>
Poster 47	<p>Precision Irrigation: Assessing Irrigation Sprinkler Packages for Enhanced Water Optimization in Agriculture</p> <p><i>Presenter: Clara Anderson (Mentor: Dean Winward)</i></p>
Poster 48	<p>Does Having Children Lead to Greater Marital Satisfaction?</p> <p><i>Presenters: Darin Aumoeualogo, Sydney Bair, Addy Burke, Kaylee Ackman (Mentor: Clint Broadbent)</i></p>
Poster 49	<p>Is Social Media to Blame for the Increase in Depression in Teens?</p> <p><i>Presenters: Kassandra Beato, Emily Mouett, Ashton Palmer, Yanxi Lui</i></p> <p><i>(Mentor: Lauren Roberts)</i></p>
Poster 50	<p>Nursing EBP Group #2</p> <p><i>Presenters: Amanda Benson, Carlee Carter, Ashlee Chadburn, Lauren Coffman (Mentor: Sierra Lund)</i></p>
Poster 51	<p>AARP Walk Audit: South Elementary/South Preschool</p> <p><i>Presenters: Peyton Brown, Karisa Mercer (Mentor: Kelly Cross)</i></p>
Poster 52	<p>Optimal Hydration: Exploring Water Loss and Hydration Awareness Among SUU Female Athletes</p> <p><i>Presenter: Ashley Burnside (Mentor: Temitope Ibiyemi)</i></p>

Poster 53      PCOS Management Through Nutrition: An Educational Website  
*Presenter: Ellie Bushar (Mentor: Temitope Ibiyemi)*

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Poster 54      Disordered Eating in relation to Circadian Rhythms and Sleep  
*Presenters: Ashley Cahoon, Jaggur Walker, Dani Asher  
(Mentor: Bryan Koenig)*

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Poster 55      Nursing EBP Group #3  
*Presenters: Maddy Cole-Church, Ashante Conley, Jane Cottle, Maddie Cook (Mentor: Sierra Lund)*

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Poster 56      Access to Primary Healthcare Services in Iron County  
*Presenters: Sydney Craft, Alessandra Quisocala (Mentor: Kelly Cross)*

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Poster 57      Nursing EBP Group #4  
*Presenters: Ellie Crandall, Jessica Grimshaw, Kennedy Feltner, Drake Gritzmacher (Mentor: Sierra Lund)*

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Poster 58      Food Insecurity in College Students  
*Presenters: Alivia Crookston, Haley Richardson, Ashlyn Chambers  
(Mentor: Kelly Cross)*

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Poster 59      AARP Walk Audit at Wedgewood Lane  
*Presenters: Nicole Danylo, Makayla Allred (Mentor: Kelly Cross)*

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Poster 60      Why is Sleep so Important  
*Presenters: Paige Deppe, Natalie Flores, Danielle Smith*

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Poster 61      Housing Insecurity  
*Presenters: Sierra Edmondson, Sierra Edmondson, Eve Eaquinto, Nikki Monds (Mentor: Kelly Cross)*

Poster 62     The Impact of Trekking Poles on Subjective Measures of Exertion, Enjoyment and Fatigue during Outdoor Hiking in Healthy Adults  
*Presenter: Katie Erkelens (Mentor: Julie Taylor)*

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Poster 63     Flu Shot  
*Presenters: Megan Ford, Wesley Harrison, Brooklyn Holt*

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Poster 64     The Impact of Trekking Poles on Smart-Watch Step Counts During Outdoor Hiking in Healthy Adults  
*Presenter: Katie Erkelens (Mentor: Julie Taylor)*

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Poster 65     Is Non-Biological Parenthood Much Riskier Than Biological Parenting?  
*Presenters: Sushmita Giri, Sushmita Giri, Rasmi Lama, Tashi Sherpa, Shristi Nayaju (Mentor: Clint Broadbent)*

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Poster 66     Assessing Nutrition Literacy in High School Students in Mohave County AZ  
*Presenter: Margie Hammon (Mentor: Temitope Ibiyemi)*

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Poster 67     Nursing EBP Group #5  
*Presenters: Morgan Hatch, Tel Hirschi, Kate Hunter, Brailey Hockett (Mentor: Sierra Lund)*

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Poster 68     Nutritional Analysis of Middle-Aged Individuals at Risk for Sarcopenia  
*Presenters: Tyson Herrera (Mentor: Suzanne Young)*

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Poster 69     The Impact of Trekking Poles on Respiratory and Metabolic Physiological Responses During Outdoor Hiking in Healthy Adults  
*Presenter: Bethany Hoag (Mentor: Julie Taylor)*

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Poster 70     Nursing EBP Group #6  
*Presenters: Grace Hutchings, Olivia Johnson, Alexis Jensen, Kwana Jackson (Mentor: Sierra Lund)*

Poster 71	<b>Falls in Nursing Homes</b> <i>Presenters: Kelby Jensen, Brenna Salinas, Allison Miller</i> <i>(Mentor: Kelly Cross)</i>
Poster 72	<b>Nursing EBP Group #7</b> <i>Presenters: Saige Kalawe, Justyn Khan, Kylie Mortensen, Mikinlee Quarnberg (Mentor: Sierra Lund)</i>
Poster 73	<b>Access to Contraceptives in Young Adults</b> <i>Presenters: Kourtney Keene, Brianne Heap, Kendel Skinner</i> <i>(Mentor: Kelly Cross)</i>
Poster 74	<b>The Effectiveness of Complementary Electrical Stimulation and Localized Heat After Dry Needling Treatment to Reduce Low Back Pain: A Pilot Study</b> <i>Presenters: Morgan Mersola (Mentor: Amanda Hawkes)</i>
Poster 75	<b>Fueling Dancers: The Impact of Intuitive Eating on Caloric Intake in Competitive Dancers</b> <i>Presenter: Addisyn Mikkelsen (Mentor: Temitope Ibiyemi)</i>
Poster 77	<b>Perceptions of Weight: Exploring Stigma in Health-Related Majors at SUU</b> <i>Presenter: Kaitlyn Peterson (Mentor: Temitope Ibiyemi)</i>
Poster 78	<b>Nursing EBP Group #8</b> <i>Presenters: Rylie Raine, Levi Savage, Rebecca Schagel, Lauren Randall</i> <i>(Mentor: Sierra Lund)</i>
Poster 79	<b>Interprofessional Education of Pre-Healthcare Undergraduates at SUU</b> <i>Presenters: Calvin Reed, Remy Bunker, Dex Neilson, Carter Broadwater</i> <i>(Mentor: Mike Banasky)</i>

Poster 80     Can You See the Light?  
*Presenters: Dawson Rees, Danielle Cardon (Mentor: Kelly Cross)*

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Poster 81     STI Prevention  
*Presenters: Michael Richins, Jacob Layland, Abby Loeffelbein  
(Mentor: Kelly Cross)*

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Poster 82     Caregiver Needs and Support Strategies in Eating Disorders  
*Presenters: Emma Sagers (Mentor: Temitope Ibiyemi)*

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Poster 83     Community Assessment of Women's Health  
*Presenters: Alyssa Sawyer, Whitney Wood, Angela Martinez  
(Mentor: Kelly Cross)*

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Poster 84     Diabetes and Obesity in United States and Utah  
*Presenters: Hayley Schoppmann (Mentor: Kelly Cross)*

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Poster 85     Nursing EBP Group #9  
*Presenters: Nathan Spencer, Tristian Toone, Braylie Thomas, Keana Tolman (Mentor: Sierra Lund)*

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Poster 86     How Does Stress Affect the Physical Health of College Students?  
*Presenters: Annie Suman, Kaylee Glover, Eliza Rich (Mentor: Kelly Cross)*

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Poster 87     Dietary Assessment of Older Adults in Koosharem, UT  
*Presenters: Hunter Torgersen (Mentor: Temitope Ibiyemi)*

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Poster 88     Effects of Hydration and Electrolytes Amongst College-Aged D1 Student Athletes  
*Presenters: Annika Urry, Shalee Evans, Kaiao Shine (Mentor: Kelly Cross)*

Poster 89     Nursing EBP Group #10  
*Presenters: Mya Van Orden, Adrian Valverde, Josie Wright, Brandon Tucker (Mentor: Sierra Lund)*

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Poster 90     Is a Home Birth a Better Experience than a Hospital Birth?  
*Presenters: Abigail Zenger, Kaleb Butikofer, Lainey Barney, Madisyn Baillie (Mentor: Lauren Roberts)*

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Poster 91     Community Assessment: Safe Sex Practices  
*Presenters: Korina Ziegler, Sarah Kendall, Carter Ashworth (Mentor: Kelly Cross)*

# College of Humanities & Social Sciences

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

2:00 PM - 3:30 PM

Poster 92	<p>The Stroop Effect</p> <p><i>Presenters: Josi Bartholomew, Brooklyn Swanbeck, Hunter Kelly, Taylor Mickelson, Emma Chapman, Ellie Oviatt, Annette Kindt, Addison Brooks, Mason Huff, Dani Asher (Mentor: Sierra Warner)</i></p>
Poster 93	<p>Losing Spanish to Gain English?</p> <p><i>Presenter: Kaylie Benites (Mentor: Junice Acosta)</i></p>
Poster 94	<p>How Disability is Correlated to Mental Health</p> <p><i>Presenters: Isaak Palomäki, Sophie Snow, Jordanelle A. Caldwell, Summer Pereira (Mentors: Bryan Koenig, Daniel Hatch, Kirsten L. Graham)</i></p>
Poster 95	<p>The Diagnostic Challenge: Differentiating Generalized Anxiety Disorder from Other Anxiety and Depressive Disorders</p> <p><i>Presenter: Bailey Campbell (Mentor: Bryan Koenig)</i></p>
Poster 96	<p>Military Transition Theory</p> <p><i>Presenter: Justin Conrad (Mentor: Bryan Koenig)</i></p>
Poster 97	<p>What Do Suicide Notes Really Say: A Research Proposal</p> <p><i>Presenters: Hunter Cook, Bee Nelson, Isaak Palomäki, Brooklyn Swanbeck (Mentor: Bryan Koenig)</i></p>



Poster 98     Exploring the Intersection of Social Safety, Sexual Identity, and Mental Health Outcomes Among University Students  
*Presenters: Lexi Downey, Kylee Navin (Mentor: Sierra Warner)*

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Poster 99     Effect of Warmth/Cold on Perceptions of Generosity  
*Presenters: Kay Ferrin, Gabryle Michaud, Gabryle Michaud, Bee Nelson, Alexis Downey, Brenna Bushman (Mentor: Sierra Warner)*

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Poster 100    Criminal Motivation  
*Presenter: Kadya Frampton (Mentor: Bryan Koenig)*

---

Poster 101    Attitudes Towards Spanish Among First Generation Heritage Speakers  
*Presenter: Katelyn Gazafy (Mentor: Junice Acosta)*

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Poster 102    Being an LGBTQIA+ Student at SUU  
*Presenters: Stephon Gilbert-Ouahib, Kelsey Shields, Grace Collier (Mentor: Kirsten Graham)*

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Poster 103    Psychedelic Substance Use: The Individual and Social Experience  
*Presenter: Stephon Gilbert-Ouahib (Mentor: Joshua Brown)*

---

Poster 104    An Analysis of Spanish Language Recollections: What Do They Remember?  
*Presenter: Brett Hedges (Mentor: Junice Acosta)*

---

Poster 105    Loneliness in Adolescence: A Literature Review  
*Presenter: P.J. Howa (Mentor: Bryan Koenig)*

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Poster 106    How Social Anxiety Affects Self-esteem  
*Presenter: Kaitlyn Jackman (Mentor: Bryan Koenig)*

**Poster 107**    **Single Blind Cookie Likability Study**  
*Presenters: Hunter Kelly, Brooklyn Swanbeck, Taylor Mickelson, Addison Brooks, Josi Bartholomew, Emma Chapman, Annette Kindt, Ellie Oviatt, Dani Asher, Mason Huff (Mentor: Sierra Warner)*

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**Poster 108**    **In group vs Outgroup Effects on Sentencing Decisions**  
*Presenters: Annette Kindt, Emma Chapman, Hunter Kelly, Ellie Oviatt, Josi Bartholomew, Brooklyn Swanbeck, Taylor Mickelson, Addison Brooks, Mason Huff, Dani Asher (Mentor: Sierra Warner)*

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**Poster 109**    **Assessing the Impact of Utah's House Bill 261 on Access to Support Services and Campus Climate**  
*Presenter: Sarah Lavin (Mentor: Michael Ostrowsky)*

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**Poster 110**    **College Student's Experience with a Web-Based Anti-Anxiety Intervention**  
*Presenters: Isabella Monge, Camille Smith (Mentor: Joshua Brown)*

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**Poster 111**    **Chocolate Chip Cookie Study: Single Blind Design**  
*Presenters: Ellie Oviatt, Addison Brooks, Taylor Mickelson, Brooklyn Swanbeck, Hunter Kelly, Annette Kindt, Emma Chapman, Dani Asher, Mason Huff (Mentor: Sierra Warner)*

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**Poster 112**    **Mental Illness and Its Impact on Crime**  
*Presenter: Kallie Page (Mentor: Bryan Koenig)*

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**Poster 113**    **Unmet Needs and Psychache: Exploring the Link Between College Stress and Suicidal Ideation**  
*Presenters: Summer Pereira, Sophie Snow, Sarah Loertscher, Joshua Olsen, Clancy Christensen, Kelsey Shields (Mentor: Daniel Hatch)*

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**Poster 114**    **Impact of Resilience on People With Learning Disabilities**  
*Presenters: Summer Pereira, Joshua Olsen (Mentor: Kirsten Graham)*

Poster 115    Independent vs Interdependent Self Construals  
*Presenters: Brooklyn Rushton, Brenna Bushman, Alexis Downey, Kay Ferrin, Gabryle Michaud, Bee Nelson (Mentor: Sierra Warner)*

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Poster 116    Children's Justice Center  
*Presenter: Maddy Steffensen (Mentor: Michael Ostrowsky)*

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Poster 117    Examining the Association Between Eating Disorders and Substance Use: A Replication Study  
*Presenter: Keelie Stewart (Mentor: Sierra Warner)*

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Poster 118    Americans Understanding of Genocide across the globe  
*Presenter: Emma Streadbeck (Mentor: Garrett Strosser)*

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Poster 119    Short Term Memory and Distraction  
*Presenters: Brooklyn Swanbeck, Josi Bartholomew, Addison Brooks, Hunter Kelly, Annette Kindt, Taylor Mickelson, Ellie Oviatt, Mason Huff, Dani Asher (Mentor: Sierra Warner)*

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Poster 121    Exploring Perceptions and Attitudes Towards Clinical Psychedelic Therapy  
*Presenters: Andres Vazquez, Isaak Palomäki (Mentor: Sierra Warner)*

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Poster 122    Understanding the Interplay between Neuroticism and Obsessive-Compulsive Disorder  
*Presenter: Reagan Wexels (Mentor: Bryan Koenig)*

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CANCELED    Should AI Be Used in Academia  
*Presenters: Zahava White, Alexis D. Whaley (Mentor: Steve Barney)*

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Poster 124    Schema Activation and Perceptions of Generosity: A Replication  
*Presenter: Emma Chapman (Mentor: Sierra Warner)*

# Walter Maxwell Gibson College of Natural Sciences

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

**2:00 PM - 3:30 PM**

Poster 168    The Senecio of Iron County

*Presenter: Skylee Haramoto (Mentor: Fredric Govedich)*

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Poster 169    Using Satellite Data and a Radiative Transfer Model to Study Visible and UV Solar Irradiances in Cedar City, UT

*Presenter: Nethaneel Taylor (Mentor: Richard Medina)*

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Poster 170    The Use of Fluorescent Dyes for Detecting the Biodistribution of C. Novyi-NT

*Presenters: Caleb Hoffman, Jackson Sandberg, Jack Stevenson  
(Mentor: Jessica Pullan)*

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Poster 171    What do Electrolytes and Electrocution have in Common?

*Presenter: Abbey Petersen (Mentor: Christopher Monson)*

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Poster 172    Photophysical and Photochemical Investigation of Dipyrinone Bilin Subunits

*Presenters: Cauly Williams, Danielle Newbold (Mentor: Jacob Dean)*

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Poster 173    Synthesis of (E)-Stilbene Derivatives by Palladium-Catalyzed Cross-Coupling of (E)-2-Phenylethenylboronic Acid Pinacol Ester with Aryl Chlorides

*Presenter: Braden Nelson (Mentor: Nathan Werner)*

- Poster 174    Silver Linings and Gilded Edges: Microfluidic Synthesis  
of Ag and Au Nanoparticles  
*Presenters: Seth Wetjen, Sam Hodnett (Mentor: Christopher Monson)*
- 
- Poster 175    Using Amphibole Thermobarometry to Understand Magma  
Ascension through the Colorado Plateau - An Analysis of the  
Henry Mountains Laccolith  
*Presenter: Braden Nelson (Mentor: Nathan Werner)*
- 
- Poster 176    Structural Studies of a Thermophilic Enzyme  
*Presenters: Trajan Nielson, Alexander Stewart (Mentor: Bruce Howard)*
- 
- Poster 177    Effects of pH on Plant Diversity  
*Presenters: Nick Ralph, Hunter Marshall, Justin Mickelson  
(Mentors: Rachel Bolus, Matt Ogburn)*
- 
- Poster 178    A Study on the Efficacy of Different Modes of the Parvovirus Vaccine  
*Presenter: Shaylie Romprey (Mentor: Julia Craft)*
- 
- Poster 179    Photophysical and Photochemical Investigation of  
Dipyrrinone Bilin Subunits  
*Presenters: Danielle Newbold, Cauby Williams (Mentor: Jacob Dean)*
- 
- Poster 180    Determining Chemical Controls on Color Variation in Variscite  
*Presenter: Jacob Crump (Mentor: Jason Kaiser)*
- 
- Poster 181    Machine Learning as a Tool for Forecasting Harmful Algal Blooms  
*Presenter: McKelle Cornelius (Mentor: David Maxwell)*
- 
- Poster 182    A Comparison of the Bony Eustachian Tube of the Human and  
Chimpanzee and Its Evolutionary and Clinical Implications  
*Presenter: Izabella Villanos (Mentor: Arianna Harrington)*

Poster 183    Comparison of Aquatic Macroinvertebrate Diversity  
in Lentic and Lotic Systems

*Presenter: Carson Brown (Mentor: Fred Govedich)*

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Poster 184    Oxidation of Indoline with Ruthenium(III) Chloride

*Presenter: Holden Petty (Mentor: Matthew Prater)*

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Poster 185    History of Medicinal Use of Plants: A General Biology Two Honors Project

*Presenter: Braden Echols (Mentor: Helen Boswell)*

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Poster 186    Deciphering Biofilm Expression Dynamics in *Pseudomonas aeruginosa*

*Presenters: Braden Warden, David Mefford  
(Mentor: Christopher Monson)*

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Poster 187    Strain-Driven Metal-to-Insulator Transition and Ferroelectricity in WTe<sub>2</sub>

*Presenter: Ross Richins (Mentor: Shao Qiu)*

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Poster 188    Perceived Effectiveness of Study Practices: A Multi-Semester  
Analysis of Undergraduate Anatomy Students.

*Presenters: Samuel Villicana-Tapia, Mary Nieves  
(Mentor: Jennifer Mraz-Craig)*

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Poster 189    Investigating Data Reduction and Classification Tools within ArcGIS Pro  
for Mapping Riparian Vegetation in Desert Ecosystems: A Comparative  
Study of Perennial and Ephemeral Streams on the Colorado Plateau

*Presenter: Taylor Meeks (Mentor: Aspen Manning)*

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Poster 190    Benefits of Utilizing the ACS manual throughout CHEM 1210

*Presenters: Claire Neuberger, Fernanda Perez (Mentor: Caleb Hiller)*

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Poster 191    What the Frit? Patterning PDMS for Protein Filtration

*Presenters: Jacob Moody, Emma Monson  
(Mentor: Christopher Monson)*

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Poster 192    Brian Head 2017 Fire Arthropod Biodiversity  
*Presenters: Emmy Spencer, Davette Serrano, Kate Poulson*  
*(Mentor: Matt Ogburn)*

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Poster 193    Perceptions of Vr Use in Organic and Inorganic Chemistry Courses  
*Presenters: Isabelle Smith, Alex Routsis, Lacey Vaile-Larson, Kaden Jensen*  
*(Mentors: Guizella Rocabado, Mathew Prater)*

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Poster 194    Stripping Electrophoresis  
*Presenter: Joaquin Alonso Pantoja Davalos*  
*(Mentor: Christopher Monson)*

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Poster 195    Determining Species of Bark Scorpions Found in Utah  
and Arizona and Their Behaviors  
*Presenter: Hannah McInay (Mentor: Samuel Wells)*

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Poster 195    The Isolation, Characterization, and Stability of Bovine  
Milk Derived Extracellular Vesicles.  
*Presenters: Elley Colledge, Ian Cutler (Mentor: Jessica Pullan)*

# College of Performing & Visual Arts

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

### 2:00 PM - 3:30 PM

Poster 198    Mae West, “Sex,” and Theatrical Censorship  
*Presenters: Abbie Cochrane (Mentor: Danielle Sheather)*



# Gerald R. Sherratt Library & Honors

## POSTER PRESENTATIONS BY TIME

*(All Posters will be presented in the American First Event Center from 2:00- 3:30 PM)*

*Poster Numbers refer to the Poster Presentation Map found on page 6.*

### 2:00 PM - 3:30 PM

Poster 197    The Importance of the Eccles APEX Lecture Series  
to Southern Utah University  
*Presenters: Amanda Lowry (Mentor: Katie Englert)*

# ALL PRESENTERS & MENTORS

## **Presenters by First Name**

Organized by First Name

## **2025 Faculty Mentors**

Dixie L. Leavitt School of Business

College of Engineering and Computational Sciences

Beverley Taylor Sorenson College of Education and Human Development

College of Health Sciences

College of Humanities and Social Sciences

Walter Maxwell Gibson College of Natural Sciences

College of Performing and Visual Arts

Gerald R. Sherratt Library and Honors

# Presenters by First Name

## A

Abbey Petersen  
Abbie Cochrane  
Abbie Marchant  
Abbie Pitts  
Abby Davis  
Abby Loeffelbein  
Abby Wheelwright  
Abigail Zenger  
Adam Jones  
Addie Gockley  
Addison Brooks  
Addison Doane  
Addison Smith  
Addisyn Mikkelson  
Addy Burke  
Addy Yorgason  
Adela Masarykova  
Adrian Tebet Baez  
Adrian Valverde  
Adrianan Birchett  
Adrin Partridge  
Ahmed Amin  
Aimee Barton  
Alessandra Quisocala  
Alex Routsis  
Alex Smith  
Alexa Vazquez  
Alexander Stewart  
Alexandra Bradshaw-  
Yerby

Alexis D. Whaley  
Alexis Downey  
Alexis Jensen  
Alice Wedig  
Alivia Crookston  
Allison Miller  
Alora Bailey  
Alyssa Heaton  
Alyssa Kunka  
Alyssa Lefevre-Rousseau  
Alyssa Sawyer  
Amaia Garate  
Amanda Benson  
Amanda Flowers  
Amanda Lowry  
Amber Best  
Amie Despaigne  
Amy Hibbard  
Anais Omambo  
Anakin Lee  
Andres Vazquez  
Andrew Richey  
Angela Martinez  
Angela Patino-Acevedo  
Anna Mower  
Annabella Wolfert  
Annette Kindt  
Annie Suman  
Annika Urry  
Anthony Wright  
April Bisek

Arianna Collier  
Aris Isom  
Ashante Conley  
Ashlee Chadburn  
Ashley Burnside  
Ashley Cahoon  
Ashlyn Chambers  
Ashton Avery  
Ashton Clark  
Ashton Palmer  
Ashtyn Giles  
Aspen Einerson  
Aspen Hughes  
Astrid Howard  
Audrey Hall  
Aurianne Poirot  
Austyn Davis

## B

Bailey Bennett  
Bailey Campbell  
Bailey Giles  
Bailey Hadley  
Barry Pearson  
Becca MacGillvray  
Bee Nelson  
Ben Cozzens  
Benjamin Bradshaw  
Benjamin Pimentel  
Bethany Hoag  
Bina Sharma

Biplab Negi Lama

Brad Wero

Braden Echols

Braden Minor

Braden Nelson

Braden Warden

Brailey Hockett

Brandon Tucker

Braxton Baker

Braylie Thomas

Breanna Wilson

Brecken Shakespeare

Brenna Bushman

Brenna Salinas

Brennan Baker

Brett Hedges

Brianne Heap

Bridger J. Hubble

Brinley North

Brinley Wallin

Brittani Vlam

Brock May

Brock Syrett

Brooke Atkinson

Brooke Bullock

Brooklyn Christensen

Brooklyn Holt

Brooklyn Hone

Brooklyn Knudson

Brooklyn Rushton

Brooklyn Swanbeck

Brooklynne Reyes

Brynn Anderson

Brynn Smith

## C

Cade Iverson

Caden Wiegman

Caleb Hoffman

Calvin Reed

Cameron Stewart

Camille Smith

Camille Wilcox

Camo McDonald

Carl Johnson

Carlee Carter

Carlie Pipkin

Carlyn Jenkins

Carolina Mares

Carson Brown

Carson Minnaar

Carter Ashworth

Carter Broadwater

Casey San Martin

Cassidy Anglin

Cassidy Robertson

Cauy Williams

Cedric Adams

Chaoran Li

Charlee Cannon

Charlie Adamson

Chelsea Jocelyn

Chloe Christophersen

Chloe Elliott

Chloe Fitzgerald Taylor

Chloe Ray

Chris Caruso

Christian Paystrup

Claire Neuberger

Clancy Christensen

Clara Anderson

Cody Hatch

Cole Garney

Corban Kerr

Cormick Bone

Cynthia Barlow

## D

Dallin Richards

Damian V. Jesus

Dani Asher

Daniel Medina Sandoval

Danielle Cardon

Danielle Newbold

Danielle Sheather

Danielle Smith

Darcy Brumfield

Darian Hall

Darin Aumoeualogo

Dave Gosz

Davette Serrano

David Austin

David Grant

David Mefford  
David Ryan  
David Taylor  
Dawson Rees  
Dex Neilson  
Dillon Stewart  
Divine Nsekanda  
Donald Pipkin  
Dorcas Muteba  
Drake Gritzmacher  
Drew Talbot  
Dyashawn Barnes

## E

Elaine Vickers  
Elias Mc Daniel  
Eliza Bleak  
Eliza Rich  
Elley Colledge  
Ellie Bateman  
Ellie Bushar  
Ellie Crandall  
Ellie Johnson  
Ellie Oviatt  
Elsie Schut  
Elyse London  
Emersyn Parker  
Emery Cook  
Emily Bailey  
Emily Mouett  
Emily Walters  
Emma Aadland  
Emma Chapman

Emma Monson  
Emma Page  
Emma Sagers  
Emma Streadbeck  
Emma Tischner  
Emmy Spencer  
Erena Kolb  
Erik Berthoty  
Erin Atkinson  
Ethan Cornish  
Ethan Harrison  
Eva Luna Favene  
Evan Monson  
Eve Eaquinto  
Ezra Stein

## F

Fernanda Perez

## G

Gabby Aguilar  
Gabby Carter  
Gabryle Michaud  
Gary Howe  
Genevieve Telford  
Grace Amane  
Grace Ash  
Grace Benham  
Grace Collier  
Grace Hutchings  
Gracie Saunders  
Guizella Rocabado

## H

Haelynn Anderson  
Hailea Drummond  
Hailey Hall  
Haley Richardson  
Haley Slater  
Halle Romine  
Hannah McInay  
Hannah Parkin  
Hanslee Peay  
Harlee Riggins  
Harlie Condie  
Hayley Schoppmann  
Hazel Petersen  
Heidi Toia  
Helen Boswell-Taylor  
Holden Petty  
Hope Thomas  
Hunter Cook  
Hunter Kelly  
Hunter Marshall  
Hunter Torgersen

## I

Ian Cutler  
Ioanalani Lotu  
Isaac Mukendi  
Isaac Torres  
Isaak Palomäki  
Isabel Amaro Leon  
Isabel Carroll  
Isabela De Las Casas  
Isabella Monge

Isabelle Smith  
Izabella Villanos  
Izzy Bird

## J

Jace Wood  
Jacee Davis  
Jacie Riding  
Jack Stevenson  
Jackie Hammack  
Jackson Sandberg  
Jackson Thomas  
Jacob Carr  
Jacob Crump  
Jacob Layland  
Jacob Moody  
Jacob Santana  
Jaggur Walker  
Jaguar Walker  
Jalyn Waddoups  
James Chou  
Jane Cottle  
Janee Doomey  
Janet Johnson  
Janie Webb  
Janzie Jensen  
Jaren Meikle  
Jarrett Randle  
Jason M. Walters  
Jason Moodie  
Jay Phillips  
Jenna Hortin  
Jenna Olson

Jenny Funk  
Jens Peterson  
Jeshua Herrera  
Jesse Pfister  
Jesse Sheckler  
Jessica Cluff  
Jessica Grimshaw  
Jessica Munro  
Jessica Pullan  
Jessica Tait  
Jhen Seguiwan  
Jianlong Han  
Jinsoon Cho  
Joaquin Alonso Pantoja  
Davalos  
Jon Bodnar  
Jonah Hoff  
Jordan Clinger  
Jordanelle A. Caldwell  
Josh Bullock  
Joshua Merkley  
Joshua Olsen  
Joshua Vernon  
Josi Bartholomew  
Josie Ballard  
Josie Gines  
Josie Wright  
Joslyn Huges  
Julie Russo  
Justin Conrad  
Justin Mickelson  
Justyn Khan

## K

Kabama Kabole  
Kaden Gardner  
Kaden Grunig  
Kaden Jensen  
Kadyn Frampton  
Kaiao Shine  
Kailee Richman  
Kaitlyn Aleshire  
Kaitlyn Jackman  
Kaitlyn Lovell  
Kaitlyn Peterson  
Kaitlynne Cowart  
Kalea Lattin  
Kaleb Butikofer  
Kaleb Kirby  
Kallie Page  
Kambree Cragun  
Karesa Soffe  
Karisa Mercer  
Karlie Olsen  
Karson Blomquist  
Kassandra Beato  
Kassidy Richey  
Kate Hunter  
Kate Poulson  
Katelin Pugh  
Katelyn DeMille  
Katelyn Gazafy  
Katelyn Howard  
Katharine Tesar  
Kathrynne Pullan  
Katie Brunner

Katie Christensen  
Katie Erkelens  
Kay Ferrin  
Kaylee Ackman  
Kaylee Glover  
Kaylie Benites  
Keana Tolman  
Keelie Stewart  
Kelby Jensen  
Kelsey Jensen  
Kelsey Shields  
Kenadee Heaton  
Kenadie Spencer  
Kendel Skinner  
Kenna-Rae Olaya  
Kennedy Barr  
Kennedy Feltner  
Kevin Ntayingi  
Kiara Wright  
Kiley Thackeray  
Killian Robinson  
Kordell Welch  
Korina Ziegler  
Kourtney Brooks  
Kourtney Keene  
Kunjang Sherpa  
Kwana Jackson  
Kylee Navin  
Kylee Pyfer  
Kylie Mortensen

## L

Lacey Cluff

Lacey Nydegger  
Lacey Vaile-Larson  
Lainey Barney  
Larisia Ntenda  
Lauren Coffman  
Lauren Knight  
Lauren Randall  
Laynee Carter  
Leona Lombardi  
Levi Savage  
Lexi Downey  
Lexi Tychsen  
Lia Timoney  
Lillian E. Puckett  
Lily Covington  
Lindsay Walton  
Linzey Redford  
Lisa Marie Hohenhausen  
Liz Gilberg  
Lizzy Erwin  
Logan Chappell  
Lucas Hatch  
Lucy Nickle  
Lydia Sullivan

## M

Maddie Cole  
Maddie Cook  
Maddy Cole-Church  
Maddy Steffensen  
Madi Brown  
Madison Ward  
Madison Watkins

Madisyn Baillie  
Makayla Allred  
Makayla Rigby  
Makenzie Porter  
Malea Farrimond  
Maren Green  
Margie Hammon  
Marley Hafen  
Mary Nieves  
Mason Huff  
Mason Lyman  
Matelier M. Numbi  
Matias Hadjadj  
Max Kropf  
Max Whipple  
Maxwell Richtsteig  
Mayce Dalton  
McKelle Cornelius  
Meena Lama  
Megan Ford  
Melissa Parsons  
Merrideth Kiernan  
Michael Richins  
Michael Winder  
Mikenna Holm  
Mikinlee Quarnberg  
Milly Albrecht  
Miradi Akangambo  
Miranda Bailey  
Molly Pearson  
Morgan Hatch  
Morgan Mersola  
Morgan Whitaker

Morganne Price  
Mya Van Orden

## N

Nabila Mannan  
Naomi Sorensen  
Natalie Flores  
Natalie Nelson  
Nate Bachman  
Nathan Martin  
Nathan Spencer  
Nathan Werner  
Nathaniel Buck  
Natasha Anderson  
Nethaneel Taylor  
Nick Ralph  
Nicole Danylo  
Nikki Monds  
Nola Palmer  
Nyah Anderson

## O

Olivia Johnson  
Olivia Staheli  
Olivia Young  
Omi Tau

## P

P.J. Howa  
Paige Deppe  
Paige Dolan  
Paige Iverson  
Paige Kennedy

Paige Ludden  
Parker Tenney  
Pasang Sherpa  
Paul Pulsipher  
Paxton Feltner  
Pengcheng Li  
Peyton Brown  
Piper Deamer  
Portia Sooter  
Pragati Tiwari

## Q

Quaid Mackert

## R

Rachel Blodgett  
Rachel Chapman  
Raine Pratt  
RaKell Heaton  
Raquel Passey  
Rasmi Lama  
Reagan Wexels  
Rebecca Schagel  
Reid Cope  
Remi Cummings  
Remy Bunker  
Rhema Kazala  
Rick Navarro  
River G. Lee  
Rob Burdzy  
Roderick He  
Romina Peralta  
Ross Murdock

Ross Richins  
Russell Bodily  
Ryan Johnson  
Rylee Dell  
Rylie Raine

## S

Sadie Schenk  
Saidi Richardson  
Saige Kalawe  
Saige Thompson  
Sam Hodnett  
Sam Webster  
Samantha Brooks  
Sammy Hogson  
Samuel Archer  
Samuel Villicana-Tapia  
Sandika Shrestha  
Sandra Rutijana Saro  
Sarah Hall  
Sarah Kendall  
Sarah Lavin  
Sarah Loertscher  
Sarah Slikkerveer  
Sarah Sommers  
Saskia Boer  
Savannah Buchanan  
Savannah Pearson  
Seth Justice  
Seth Wetjen  
Seunghwan Shin  
Shalee Evans  
Shawn Werber



Shaylee Johnson  
Shaylie Carr  
Shaylie Romprey  
Shea Shurtz  
Shristi Nayaju  
Shubhashrita Basu  
Sierra Edmondson  
Sierra May  
Sierra Nicholls  
Skyelier Radakar  
Skylee Haramoto  
Sofi Bills  
Sophi Burgess  
Sophia Foy  
Sophia Mefford  
Sophie Snow  
Soren Wood  
Spencer Hahne  
Spencer Lloyd  
Spencer Smith  
Stephanie Gordon  
Stephon Gilbert-Ouahib  
Steve Daynes  
Sugar White  
Summer Palmer  
Summer Pereira  
Sushmita Giri  
Syd Recce  
Sydney Bair  
Sydney Craft  
Sydney Newell  
Sydney Orton  
Sydney Rhoton

Syrie Brazzle  
**T**  
Tanner Corbridge  
Tashi Sherpa  
Tasnova Nowrin  
Taya Jeppesen  
Taylor Davis  
Taylor Meeks  
Taylor Mickelson  
Tel Hirschi  
Tenessa Soffe  
Terrell Lee  
Thalia Lindley  
Thomas Mendoza  
Tiffany Duncan  
Tim Amodt  
Torrance Johnson  
Trajan Nielson  
Tristian Degrey  
Tristian Toone  
Ty Sheriff  
Tyce Knudsen  
Tymbre Palfreyman  
Tyson Herrera

**V**  
Valerie Meyer  
Victoria Chavira

**W**  
Wangwei Qian  
Wesley Harrison

Whitney Wood  
William Heaton  
William Heyborne

**Y**  
Yanxi Lui  
Yaxin Lan

**Z**  
Zach Florence  
Zahava White  
Zeena Magar  
Zo Harmer  
Zoe Dotson  
Zoe Fischer  
Zoe Sager  
Zoie Eriksson

# 2025 Faculty Mentors

## BUS

Braden Bagley  
David Berri  
Jon Lee  
Kim Hyejin  
Paige Gardiner  
Richard Scorsby  
Shubhashrita Basu

## CoECS

Ahmed Amin  
Alexander Nichols  
Ali Siahpush  
Jeffrey Miller  
Emily Hooser  
Erich Mueller  
Gaston Elongha  
Jacob Bishop  
Masoud Malekzadeh  
Nathan Barker  
Prosenjit Chatterjee  
Richard Cozzens  
Roger Greener

## CoEHD

Brionne Neilson  
Clint Broadbent  
Joel Judd  
Laureen Graves  
Lauren Roberts  
Sarah Allen  
Tony Pellegrini

## CoHS

Amanda Hawkes  
Bryan Koenig  
Christine Samson  
Clint Broadbent  
Dean Winward  
Gina Profetto  
Julie Taylor  
Kelly Cross  
Lauren Roberts  
Mike Banasky  
Sierra Lund  
Suzanne Young  
Temitope Ibiyemi

## CoHSS

Britt Mace  
Bryan Koenig  
Daniel Hatch  
Garrett Strosser  
Jon Smith  
Josh Brown  
Joshua Brown  
Julie Pynn  
Junice Acosta  
Katterra Johnson  
Katterra Miller  
Kevan LaFrance  
Kirsten Graham  
Lynn White  
Matthew Newsom

Michael Ostrowsky  
Ryan Siemers  
Ryan Steineckert  
Sandy Zhang  
Sierra Warner  
Steve Barney  
Todd Petersen

## CoNS

Arianna Harrington  
Aspen Manning  
Bruce Howard  
Caleb Hiller  
Chris Monson  
Christopher Monson  
David Maxwell  
Elizabeth Pierce  
Fred Govedich  
Fredric Govedich  
Grant Shimer  
Guizella Rocabado  
Helen Boswell  
Jacob Dean  
Jamie Spinney  
Jason Kaiser  
Jennifer Mraz-Craig  
Jessica Pullan  
Julia Craft  
Kim Weaver  
Mary Jo Tufte  
Mathew Prater  
Matt Ogburn

Matthew Prater

Matthew Weeg

Nathan Werner

Rachel Bolus

Richard Medina

Samuel Wells

Sarah Brock

Shao Qiu

## CoPVA

Brock Landrum

Danielle Sheather

Hala Swearingen

Jason Moodie

Jeff Hanson

Joseph Howe

Kolby Clarke

Susanna Herrmann

## LIB/Honors

Delane Smith

Jeanne Subjack

Kathy Ruiz

Katie Englert

McKay Tebbs

