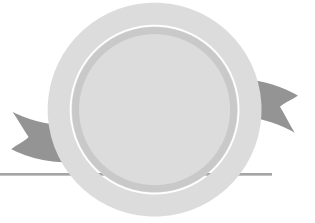




ELEVENTH ANNUAL
CELEBRATION OF
SCHOLARSHIP



GENERAL INFORMATION

Lewis University is proud to sponsor the 11th Annual Celebration of Scholarship. Providing an opportunity for the University to showcase the scholarly and artistic work of its graduate students, undergraduate students, and faculty, this annual scholarly event is co-sponsored by the Culture of Inquiry Coordinating Committee; the School of Graduate, Professional, and Continuing Education; the Colonel Stephen W. and Lyla Doherty Center for Aviation and Health Research; the Lowell Stahl Center for Entrepreneurship and Real Estate Studies; the History Center: Urban, Cultural and Catholic History of the Upper Midwest; the Center for Ministry and Spirituality; the University Faculty Development Committee; and the

Through concurrent, poster, creative works, business plan and pitch presentations, the 3MT and STEM Slam, students from across the University will have the opportunity to share their scholarship, celebrate a milestone in their academic experience, and consider paths that remain to be explored.

The Lewis University Celebration of Scholarship will present scholarly work in the following formats throughout the afternoon.

CONCURRENT SESSIONS

Students and faculty will give a 15-minute presentation on a research topic or paper they have written, unless otherwise noted as a panel discussion.
Give wore

Dear Colleagues,

It is my privilege to welcome everyone to the 11th Annual Celebration of Scholarship. I am pleased to be part of this important celebration that recognizes the scholarly and creative accomplishments of the students of Lewis University.

This year's Celebration will include more than 100 concurrent sessions and poster presentations, and 20 business pitches. Additionally, artwork from the President's 15th Annual Art Competition will be on display and the winners will participate in an afternoon gallery talk. Nearly 200 students will be participating in this year's

I look forward to hosting a reception in the Fieldhouse from 4:30 to 5:30pm which will be followed by the Awards Program. At the Awards Program, the winners of today's poster and concurrent session presentations will be announced, and one student project will be recognized as the winner of the Dr. Stephany Schlachter Excellence in Undergraduate Scholarship Award, which provides a \$2,000 scholarship to a student who performs and presents outstanding research.

This day is possible because of the commitment of many faculty and staff. Thank you to subcommittees, and the many volunteers who give their time to make this event a success. And special recognition and gratitude to co-chairs Dr. Marie Meyer, Assistant Professor of Mathematics, and Dr. Matthew Domico, Assistant Professor of Psychology.

Student and faculty research, scholarly pursuit, and creative works are fundamental to the life of the University. It is with great pride we celebrate the work that has been done and with great hope we look to the future to see these efforts continued. Enjoy this Celebration of Scholarship and blessings to all.

Sincerely,

David J. Livingston, Ph.D.
President

Dear Colleagues:

I'm pleased to introduce Lewis University's 11th Annual Celebration of Scholarship, which highlights the research, scholarship and creative accomplishments of our students and faculty.

The Celebration brings to life our Mission values of knowledge, wisdom, justice, academic excellence grounded in research, scholarship and creative activity that responds to the needs of society, along with a transformative student experience

that emphasizes impact and experiential learning. The Celebration embodies this vision in inspiring and

As always, this year's Celebration features the innovative and original ideas of our students. And, it offers several

new features borne out of our transition out of the pandemic and responding to the drive to continue to make scholarship relevant and effective in society. We have added the Three Minute Thesis (3MT), which challenges graduate students to present their master's or doctoral research in under three minutes, using only one static slide! Since 2008, 3M has grown as an international competition involving thousands of students across the world, and I'm very happy that Lewis is participating. Similarly, the STEM Slam showcases STEM research students collaborating with Lewis design students to generate an "elevator pitch" of STEM research. Both 3M and STEM Slam are designed to challenge students to communicate complex ideas in a clear and concise manner that is engaging and compelling to people who are not experts.

I'm delighted that we will continue many of our established traditions, including the Dr. Stephany Schlachter Excellence in Undergraduate Scholarship Award, honoring our former provost who supported the Celebration in countless ways as it came to life during her tenure. This year, the Schlachter Award has one notable change:

about another new initiative, the creation of the Student's Choice Award, which will be granted to students in sessions throughout the day whose work earns the highest number of votes.

I am grateful for all those who have worked diligently to make this Celebration a reality and a success this year. Thank you to the many faculty and staff who serve on the Celebration of Scholarship Coordinating Committee, various sub-committees, and in other volunteer capacities. A special thanks to co-chairs Dr. Matthew Domico, Assistant Professor of Psychology, and Dr. Marie Meyer, Assistant Professor of Mathematics.

The spirit of association permeates this day and speaks to our commitment to academic excellence, collaboration, and community.

Sincerely,

Dr. Christopher Sindt
Provost

3MT COMPETITION & STEM SLAM

STEM SLAM PROJECTS

Science and research can be seen as too technical and exclusive to those that study it, but it does not have to be that way. By interfacing STEM students, doing technical research, with the students in graphic arts and design, we can create stories that can be conveyed in a few minutes with a of making a picture (and a short story) that paints a thousand words (mostly technical and specialized). Come see what our collaboration has produced as we showcase this collaboration at COS in the Blackbox Theater at 12PM.

Antimicrobial Nanocomposite Materials

Katey Sheets

Surface Modulation via External Energy

j P Š Š ! Š Ø P μ v

SiC-CMP Utilizing an OMC

j μ h P a μ o μ : v

Peroxide Based SiC-CMP

h : μ / Ø § i μ ö ö v

Using a Neutrophil Model to Discern the Role of Cyclin D3 in Transcriptional Regulation

j ö P μ R 2 h Š H Ø v

Implementing a “Softer” Approach to p-CMP Cleaning

Abigail Dudek

Online and In-person Campus Experience

Graduate Student Project

Nick Spirakis

Mixed Reality allows instrumentation of the physical world with digital content. The digital content can be viewed and interacted with using a smart phone. Digital content might include things like a faculty avatar, and many others. In a campus where most of the lectures are offered in a blended format, students who are on campus often miss online class announcements and email communication. With our MR app, faculty and staff can post digital content right where the students need it the most, in the physical world. Students can view and interact with the digital content right on the spot.

Medical Tourism Hotel Booking Portal

Graduate Student Project

Majeed Khan

Creating a hotel booking portal, only focusing on medical tourism! The customer need for medical tourism is often related to cost savings and access to specialized treatments that may not be available in their home country/city. Patients may also seek medical tourism to avoid long wait times or to receive care in a more comfortable or luxurious setting.

Improving Student Transition to the Work World

Undergraduate Student Project

Sainath Reddy Singareddy

The main motive of this project is to help young adults transition into the work world successfully.

Travel Size Products Store

Undergraduate Student Project

Syndell Garcia

My idea is to run a store that sells everything travel-sized. And my own products can be created such as foldable brushes, hand soaps that have pumps, toiletries, etc. There is a store that currently exists, but they only sell toiletries. The mission here is to sell everything that a traveler could possibly need.

Overcoming Public Speaking

Undergraduate Student Project

Jerome Seremak

Create a website/program for people to get over their fear of public speaking and speaking in general. I was surprised when I heard that public speaking is the number one fear of the population, and it affects over 40% of all people. Through the website a customer would go through courses that teach all about public speaking and other communication practices like job interviews.

Small B2B Company Inventory System

Undergraduate Student Project

Huangshen (Maxwell) Mo

I want to develop a warehouse and inventory solution program for small B2B companies. Small businesses will be able to implement an

arogile-2(52-in9(our)2(sese and other))tained [(sdesign(omer in)]5

PlanMyScan

Graduate Student Project

Sai Charan Reddy Pammi

The product/service offered by PlanMyScan is medical tourism facilitation, which aims to assist patients seeking medical treatments in a different location. The customer need for this service arises from E Õ²j, †Ûþj, ÛþEj ìjE Õ²j « ÛìÛ M óE Û²7j †þ « j² Õ † ó ó²þí²7j, †E Û²þE7j ùþìj †²j when trying to navigate the process of seeking medical treatment in a different location. This may include language barriers, unfamiliar healthcare systems, cultural differences, and logistical challenges.

PlanMyScan's service seeks to alleviate these pain points and act as a gain creator by providing end-to-end support and personalized care to patients. By offering medical consultation, appointment booking, travel and accommodation arrangements, language and cultural assistance, and coordination of care, PlanMyScan aims to make the process of seeking medical treatment in a different location as stress-free and straightforward as possible for patients.

Credit Repair Ethically

Undergraduate Student Project

À Ø ÿ Š : à Š ò µ Û µ ö ®

I propose a credit repair service that deals with a major pain point in repairing a person's credit. Dealing with credit bureaus to remove inaccurate items is stressful and few know how to do it. The industry is known for having many businesses that practice unethically. This is one of the few industries where compliance and ethical standards are not a given, resulting in a massive advantage to those that do practice in compliance and ethically. I have full knowledge of the credit repair business so I can provide service to clients ethically with the help of software.

Consulting Services

Graduate Student Project

² P Û Š Ø ÿ µ ® w Ø Š ÿ ÿ µ ®

Consulting Services business that focuses on Training and %²e²ó, ù²þEj †þ « j§²²/M ÛE ù²þEj †þ « j⁻E †ìÛþíjÛþjUþ « Û †

Limpia

SESSION I

¿ À ¢ t B ¿ À Â Ã ¢ t

² Q Á Å È Q

Moderator: Erik Baker

1864 LA Fitness UI Project

Undergraduate Student
Project in Visual Arts

I am currently working on a directed study

, / ì² ¢ E j Û þ j E Ô² j Ú² ó « j ì j U þ E² / ‡ ¢ E ì ± È à ì F j j & • Ä " ö @ a « j U² Ó ó « j² ¢ E j Û þ j E Ð Pr22F>13<020901EC01B20660.61 2651>39< scn 3 2651>39<þÿ AeP



2 Q Á Å Æ Q

Moderator: Therese Jones

1730 Essentialism

██████████

SESSION II

¿ ¢ t B À ¢ t

² Q Á Å È Q

Moderator: Erik Baker

1922 Evaluating Cyclin D3 Mediated Transcriptional Regulation Using a Neutrophil Differentiation Model

Undergraduate Student Project in Math & Science

Doherty Center for Aviation and Health Research

Cyclin D3 is a cellular protein implicated in transcriptional regulation of genes. To discern the mechanism of this function, quantitative PCR was used to monitor expression of target genes as cyclin D3 levels change across different states in a human neutrophil model. Ectopic expression of wild-type or mutant cyclin D3 allowed for evaluation of altered expression of target genes and discernment of which cyclin D3 protein domains are responsible for its role in transcriptional regulation.

Kylie Horvath

Mentor: Dr. Sarah E. Powers

² Q Á Å È Q

Moderator: Erik Baker

1885 Utilizing an Agent-Based Model to Explore the Transmission of

! ö : H 2 P ® P P ® µ : ® P Ī ø § P ö µ in Healthcare Settings and Evaluate Control Strategies

Undergraduate Student Project in Math & Science

Doherty Center for Aviation and Health Research

ó 7 E / Ū « Ū Ū « ² 7 ' « Ū ĩ ö ¢ Ū ó ² [I ' « Ū ĩ ö ¢ Ū ó ² is one of the most commonly acquired healthcare-associated infections in United States hospitals. Transmission pathways for I ' « Ū ĩ ö ¢ Ū ó ² include both contact with endospores on fomites, objects likely to carry infection, and endospore-carrying individuals, which we described using

in57(((individuals, whic)8(h .- ry115u egent)10)ntih8(ibed usi)neco57ö ¢ Ū ó ²

██████

██████

2 Q Á Å Ç Q

Moderator: Erin Zimmer

1753 Adherence to the Mediterranean Diet Aides in Female Fertility

Undergraduate Student Project in Math & Science

Adherence to the mediterranean diet aides in female fertility

Mireya Padilla

Mentor: Dr. Jennifer Roberts

2 Q Á Å Ç Q

Moderator: Erin Zimmer

1834 The Neurobiology of Intelligence

Undergraduate Student Project in Math & Science

What is intelligence? Everybody has it but not everyone understands it contributes to academic and career achievement. Today, neuroscience and genetic researchers are rapidly discovering the underlying processes of higher-level thinking on both a physiological and molecular level. This research opens up new questions and gateways into questions like do these mechanisms tilt on the side of nature or nurture? Can they be manipulated? What is the societal impact of intelligence research?

Michael O'Brien

Mentor: Dr. Erin Zimmer

2 Q Á Å Ç Q

Moderator: Dr. Erin Zimmer

1812 Artful Advertising and Advocacy

Undergraduate Student Project in Humanities

Working with various organizations to strategically develop, design, and execute impactful campaigns that brought awareness to their causes. Highlighting key strategies and tactics, creating unique taglines, messaging, and graphics to each client. This real-world experience resulted in work that expanded brand awareness, promoted events, encouraged donations, and connected organizations

2 Q Á À Â Q

Moderator: Kayla DeCant

1914 An Agent-Based Model of COVID-19 Transmission at Lewis University

Undergraduate Student Project in Math & Science

In this work, we formulate an agent-based model of the spread of COVID-19 at Lewis University that tracks students' interactions and contamination levels across campus.

Using our model, we are able to compare $E \tilde{O}^2 j^2 | \dot{U} \pi \ddagger \pi | j \dot{l} j \pi \rho E / \acute{o} j \dot{U} \rho E^2 / e^2 \rho E \hat{U} \rho 7 j 7 M \pi \tilde{O} j$ as vaccination and quarantine, in reducing COVID-19 transmission at Lewis.

Austin Kind

Mentor: Dr. Brittany Stephenson

2 Q Á À Æ Q

Moderator: Daniel Kissel

1858 Exploring the Pho.8 0.5sC>p 0 12 U52n /TT0l 32i yseld548<026C066A0209 of 13r

2 Q Á Å À Q

Moderator: James Oakley

1786 Graphical
Password Authentication
System on the Web

Graduate Student Project
in Math & Science

Text-based passwords are commonly used for user authentication but can be weak password choices. A graphical authentication solution is introduced as an alternative, which is easier to remember and

Bharadwaj Devarsetty

Avinash Dudam

Mentor: Dr. Rami Khasawneh

2 Q Á Å À Q

Moderator: Steve Sherwin

1820 CBT and Adults
with GAD/Phobia

Graduate Student Project

in Social Sciences
a20 ieneoduch inxiecn /GS0disation se72 0. (762 /TT1)70245>19<0r tadution but c TD mostcan

2 Q Á Å Æ Q

Moderator: Christine Billups

1910 Understanding Machismo

Undergraduate Student Project in Humanities

In this research paper I will discuss how and why the notion of machismo remains an adopted persona today. The image of machismo has evolved through the years, and despite hundreds of years, it remains a prominent masculine identity in Latinx societies. We see acts of machismo in the news everyday in the abuse of women. This research paper explains why this negative persona persists.

Yanise Rodarte

Mentor: Dr. Mardy Philippian

2 Q Á Å Ç Q

Moderator: Victoria Reynolds

1757 Extraintestinal Manifestation of Irritable Bowel Syndrome

Undergraduate Student Project in Math & Science

Irritable bowel syndrome can express other extraintestinal manifestations in the form of joint pain. This presentation will highlight how joint pain and arthritis were linked to IBS and the origin of this connection.

Waheed Saad

Mentor: Dr. Jennifer Roberts

2 Q Á Å Ç Q

Moderator: Victoria Reynolds

1887 The Filtering Effects of Metschnikowia Parasitism in Daphnia dentifera

Undergraduate Student Project in Math & Science

The purpose of this study was to determine if Dreissena polymorpha can remove spores of Metschnikowia bicuspidata from a mesocosm, and in turn reduce the rate of infection among Daphnia dentifera. The results indicated that Dreissena may reduce the prevalence of infection in Daphnia when the concentration of spores is low in the mesocosm. This suggests that Dreissena populations go beyond competition.

Jenna Staszewski
Alexander Crickman
Isabella Borzeka

Mentor: Dr. Jerry Kavouras

2 Q Á Å Ç Q

Moderator: Victoria Reynolds

1889 Social Outcomes of Those with TBI Due to COVID-19 Pandemic: A Scoping Review

Graduate Student Project in Math & Science

The COVID-19 pandemic impacted social participation for individuals with TBI. Results showed social aspects of one's life and mental health declined due to the isolation and stressors that were in correlation with COVID-19 restrictions and changes to society.

Danielle Gonzalez
Madison Hofbauer

Mentor: Dr. Ann Guernon

2 Q Á Å È Q

Moderator: Elizabeth Belgio

1861 Scholarly Analysis of Apple

Undergraduate Student Project in Business

This panel presentation will consist of 24 senior level business administration majors discussing the ethical challenges of customer data privacy.

Lauren Harris

Mentor: Dr. Elizabeth Belgio

SESSION IV

Á Á^¾α t B Â Á^¾α t

2 Q Á À Â Q

Moderator: Jason Perry

1740 Clickbait Headlines

!öŠ::PÛ§ŠHP Ç:P Đ

2 Q Á Å Q

Moderator: Kayla DeCant

1742 Who Asks for Help? Examining Factors Related to Academic Help-Seeking Among University Students

Undergraduate Student Project in Social Sciences

of seeking academic resource help, such as social/motivational goals or resource awareness. Little work examining help-seeking has focused on university students. The current study examines the ability of motivational goals and resource awareness to predict the likelihood that a student will seek academic help.

Jessica Sumrow

Mentor: Dr. Phil Blankenship

2 Q Á Å Q

Moderator: Kayla DeCant

1872 X Ü P μ ξ μ İ Mindfulness-Based Strategies for Informal Caregivers of Individuals with Alzheimer's Disease

Graduate Student Project in Social Sciences

Compassion fatigue exists on a spectrum, and consists of symptoms such as extreme stress, burden, anxiety, and burnout. Increased reports of compassion fatigue have become more prevalent in the lives of informal caregivers, especially those of individuals with chronic diagnoses, such as Alzheimer's disease. This study aims to summarize current literature in order to based strategies on compassion fatigue, especially in the lives of informal caregivers of individuals with Alzheimer's disease.

Erin Walsh

Katelyn Schaefer

Alexis Mokos

Mentor: Dr. Allison Richardson

2 Q WÑá Q Wtw0 DR915<-ge-Drinkers?

Moderator: Kayla DeCant

1725 Searching for Treasure: Developing Smart Device Games as Early Indicators of Spatial Pathology in Adolescent Binge-Drinkers?

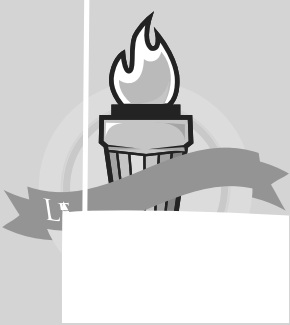
Undergraduate Student

Doherty Center for Aviation and Health Research

The ability to maintain one's spatial orientation is maintained by the hippocampus, a structure that is highly sensitive to external factors, like alcohol, during critical periods of development, like adolescence. The current study seeks to replicate previous work demonstrating adolescents with a self-reported recent history of binge drinking, following a transformation of scale in previously used behavioral tasks from manipulatory-scale tabletop tasks to smart-device game-based applications.



POSTERS





49 Antimicrobial

Effectiveness of Hydrogel Systems Infused with Photochemically Prepared Ag-, Cu- TiO2 Nanoparticles

Graduate Student Project in Math & Science

Antimicrobial Effectiveness of Hydrogel Systems Infused with Photochemically Prepared Ag-, Cu- TiO2 Nanoparticles

Katey Sheets

MENTOR: Dr. Jason Keleher

52 PM2.5 and NO2

Monitoring in Will County

Undergraduate Student Project in Math & Science

Vehicle exhaust produces various irritating air pollutants. There are only two active sensors for PM2.5 and none for NO2 in Will County. By collecting this data, we want to understand our exposure to these pollutants
†p «jÖ fje Ö²ljª //²ó†E²je jE/†ìÚªj ó²e²ó7 j
ªtÀ Äj «Ú «jª Ej7Ö fj†j7ÜÍpÜªªªEjª //²ó†EÜ þj
fÜE Öje/†ìÚªjÜþje Ö²j7EM «ljª þ «MªE² «jþ²†/j
campus; however, we are currently colocating NO2 sensors to determine these levels in the Joliet area.

Casey Smith
Derek Czaja

MENTOR: Dr. Joseph Kozminski

55 Exploring Structure-

Activity Effects while Employing an “Overcutting” Mode for Organic Residue Removal during Cu post-Chemical Mechanical Planarization

Graduate Student Project in Math & Science

Exploring Structure-Activity Effects while Employing an “Overcutting” Mode for Organic Residue Removal during Cu post-Chemical Mechanical Planarization (p-CMP) Cleaning

Abigail Dudek

MENTOR: Dr. Jason Keleher

GROUP B

$\hat{A} \hat{=} \tilde{A} \alpha t B \hat{A} \hat{=} \tilde{A} \alpha t$

2



23 R i w © Þ Û § Š H Þ ĩ

UIO-type Zirconium(IV) MOF's Change their Photocatalytic Properties and Fine Tuning for Solar Water Electrolysis

Undergraduate Student
Project in Math & Science

The poster presentation will cover how
ü « Û Û ¢ ± E Û þ j ï j Ä U • 9 E I , 2 j i Û / ¢ þ Û M ü - U Û . j
MOF's change their Photocatalytic
Properties and Fine Tuning for Solar Water
Electrolysis.

Arduan Zulfeari

MENTOR: Dr. Daniel Kissel

26 Comparing How Light Scatters with Particle Sizes Between Rayleigh and Mie Scattering

Undergraduate Student
Project in Math & Science

Using 3D printed set up, a red laser, and a
Arduino light sensor, the experiment will
look at how light scatters in a solution of
microspheres. The solution will consist of
1% of microspheres and 99% water. Four
different sizes of microspheres of 500 nm,
300nm, 160 nm, and 50 nm. The intensity
will be measured in 10 degree increments
for 360 degrees. The data will then be
compared to both Mie scattering and
Rayleigh scattering. Mie scattering happens
when the particle the wavelengths interacts
with is as big or bigger than the wavelength.
Rayleigh scattering is when the particle is
about a twentieth of the wavelength size.
The results will then be compared to the
expected outcome of on. ayleigh s]TJ T* [(ecat)14(t)19(er)8(ing.)TJ /TT0 1 Tf 9.5 0 0 9.5 54 526.78/TT2 1 Tu6is as b5(elen.)TJ T* f 9.5ct68)TJ TTf 9.he wav> then be compar
ng.]9c 0cOR: Dr. Daniel K246.2





GROUP C

Á Á ¾ ¢ t B Á Á ¾ ¢ t

3 The Effect of Age and Journaling on Stress Reduction in Aviation Graduate Students

Graduate Student Project in Math & Science

The purpose was to study if there is any effect on age while using journaling as a stress reduction technique. This was measured through select scales.



21 Driver's Rehabilitation for Combat Veterans with Post Traumatic Stress Disorder

Graduate Student Project in Social Sciences

Combat veterans with a formal diagnosis of post-traumatic stress disorder (PTSD) engage in riskier behavior and error making when driving in the community (Classed & Winter, 2018). The aim of this research is to determine the effectiveness of interventions to increase safety and reduce driving errors among veterans with a formal « Û ð Á þ 7 Û 7 j ð j ð ½ ~ % j t / 2 j 7 , 2 ð Û Û ð ð ó ó l j E Õ 2 j research will focus on the effectiveness of cognitive-perceptual training compared to other interventions and their impact on driving errors.

Hannah Mehnert
Elena Woulfe
Hala Abdelrahman

MENTOR: Dr. Allison Richardson

24 Better Breathing, Hoarser Speaking? A Scoping Review of Inhaled Corticosteroids in Pediatric Voice

Graduate Student Project in Nursing and Health Sciences

A scoping review of documented effects on children's voices from the use of inhaled corticosteroids in children under ç Á k l 2 ð / 7 j ó «

Jenalee DeMarco
Katie Steinberg

MENTOR:





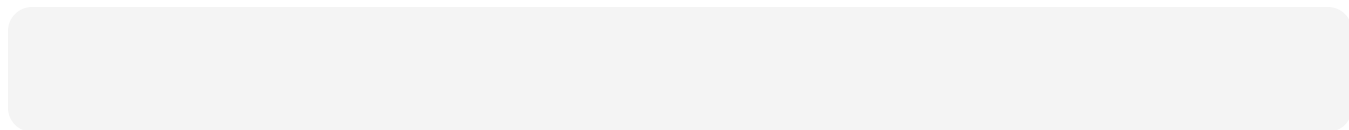
63 The Impact of Spirituality-
Based Interventions
On End of Life Care

**Graduate Student Project in
Nursing and Health Sciences**

The relationship between patients and their providers is an important characteristic of best practice. Especially in end-of-life care, may be experienced by the patients and their families. During this time, spirituality oftentimes becomes an area that becomes especially important for both occupational therapists and their patients to consider. This is due to the belief of many cultures that spirituality leads them to an "afterlife," a belief which brings many individuals a great deal of comfort, peace, and hope, especially in the ending stages of their life. Occupational therapists have the skills to address spiritual matters with patients who are interested (AOTA, 2020). With that being said, it is crucial that an occupational therapist understands ways in which they may incorporate spirituality into client-al ofien.i en.i en.i en.i en.i en.w /0tu< me ending sien.i en.h,1Bkills chic,

The eem tn whict a,

§^a0²X(0yÀZ² ÁÅÀR yyÇ m
ART EXHIBITION



Abdelrahman, Hala D ' Ý á
Adamic, Olivia D ' Ý ß
Alvarado, Natalie D ' Ü á
Alvarez, Andres D ' Ý ß
Amimeur, Djamel D ' Ý ä
Ang, Audrey D ' Ü ä '
Anzaldi, LeeAnna D ' Ý ä
Arimi, Daniel D ' Ü ä
Badveti, Sudheer D ' Ý à
Barrow, Nia D ' Ý Ü
Beckow, Samantha D ' Ý ä
Beliles, Aaron D ' Ý ä '
Berg, Brittany D ' Ü ß
Berry, Selena D ' Ý ä
Bibian, Alexis D ' Ý ß
Blankenship, Lisa D ' Ý Ü
Blazek, Rebecca D ' Ý á
Borzeka, Isabella D ' Ü à D ' Ü ä
Botello, Cassie D ' Ü Ý
Bratt, Jacqueline
(Jackie) D ' Ý ä
Bretz, Jessica D ' Ý Ü
Bronakowski, Mark D ä D ' Ü ä
Brown, Shawnton D ' Þ Ü
Brzek, Olivia D ' Ü Ý
Buckley, Lauren D ' Ý á
Busker, Taylor D ' Ý ä
Cahue, Kiana D ' Ü ß D ' Ý Ü D ' Ý Þ
Cahue, Tatiana D ' Ý Þ
Calasanz, Kelsey D ' Ü ä
Callazo, Daisy D ' Ü ä
Campos-Chavez,
Harvey D ' Ý Ü D ' Ý Ý
Campos, Miranda D ' Ý Ü
Carbajal, Stephanie D ' Ý á
Castaneda, Alexciana D ' Ü Ü
Chen jí þ í Ö þ í D ' Ý ä
Christian, Paige D ' Ý ä
Clasby, Orla D ' Þ Ü
Colon, Isaiah D ' Ü Ü
Courtenay, Nicole D ' Ý Ü
Crickman, Alexander D '
Ü à D ' Ü ä
Crisafulli, Autumn D ' Ý Þ
Czaja, Derek D ' Ý Ü D ' Ý Þ
Davila, Cristian D ' Ü ß
Davis, Tremia D ' Ü ä
De La Torre, Alondra D ' Þ Ü
Debolt, Will D ' Ý Ý
Dellamorte, Marissa D ' Ü ß

DeMarco, Jenalee D ' Ý á
DeMato, Michelle D ' Ý á
Dennis, Genesis D ' Ý Ü
Devarsetty, Bharadwaj D '
Ü ß
DeVito, Miranda D ' Ý ä
Dhasari, Sai Kiran D ' Ü ä
Dockery, Tiana D ' Þ Ü
Dotts, Angelina D ' Ü Ü
Dudam, Avinash D ' Ü ß
Dudek, Abigail D ' Ü ß D ' Ý Ü
Durrani, Nadia D ' Ý Ü
Eaton, Amanda D ' Ý á '
Edie, Stephanie D ' Ý ä
Fairbanks, Jasmine D ' Ü ä
Fanning, Charles D ' Ü Þ
Fifer, Aiden D ' Ý ß
Flores, Ulysses D ' Ý Ü
Forster, Alexander D ' Ü ä
Fox , Ethan D ' Ý ß
Franchini, Ruben D ' Ü à D ' Ý Þ
Francone , Gianna D ' Þ Ü
Gacek, Hannah D ' Ü ä
Gaddam, Nikhil Reddy D '
Ü á
Gaddam, Srinandh
Reddy D ' Ü á
Garcia Silva, Anabel D ' Þ Ü
Garcia, Syndell D ' Ü ä
Garcia, Talia D ' Ý ä
Gentile, Ryan D ' Ü ß D ' Ü Ü D ' Ü Ü
Gonzalez, Danielle D ' Ü ä
Green, Kate D ' Ü ä
Gundrala, Bharath
Kumar D ' Ý Ü
Gunreddy, Bhargavi D ' Ü Ü
Hagg, Victoria D ' Ü ß
Harris, Lauren D ' Ü ä
Hennessey, Patrick D ' Þ Ü
Hernandez, Jay D ' Ý ä
Hinkleman, Bradley D ' Ý ä
Hofbauer, Madison D ' Ü ä
Hoffmann, Heather D ' Ý ä
Hollis, Makenzie D ' Ü ä
Hoover, Carissa D ' Þ Ü
Hopkins, Christine D ' ß D ' Ý ä
Horvath, Kylie D ' Ü ß D ' Ü Ü D ' Ý Ü
Houston, Naomi D ' Ý ä
Hurd, Chiara D ' Ý Ü D ' Ý Ü
Jaber, Tasnim D ' Ý ä
Jacobsen, Jaimee D ' Ý ä

Jafferi, Batool D ' Ü Ü
Jakubowski, Ethan D ' Ý Ý
Jarvis, Michael D ' Ý Þ
Jennings, Morgan D ' Ü ä
Jilani, Uma D ' Ý ä
Jitta, Nikhil Reddy D ' Ý Ü
Johnson, Cole D ' Ý Ü
Jose, Heaven Leigh D ' Ý ä
Kanala, Gowtham
Reddy D ' Ü Ü
Khan, Alina D ' Ü ä
Khan, Amina D ' Ý ä
Khuffash, Alyssa D ' Ü ä
Kilgore, Christian D ' Ü Ü
Kind , Austin D ' Ü Þ
King , Amy D ' Ý á
Klosowski, Casper D ' Ý Ü
Kmiecik, Jakub D ' Ü Ü
Kruszewski, Sydney D ' Ý ä
Kurowski, John D ' Ü ß D ' Ü Ü
Lankowicz, Allison D ' Ü ä '
Lavine, Kerry D ' Ý ä
Lewis, Maximus D ' Ü Ü
Lindemann, Emily D ' Ý Þ
London, Jakob D ' Ý Ý
Lotarski, Lauren D ' Ü ä
Lucich, Skylar D ' Ý Ü
Maddougal,
Christopher D ' Ü ä
Mahrat, Laila D ' Ü Ü D ' Ý Ý
Mahrat jí Ü þ ð D ' Ü Ü
May , Rachel D ' Ü ä
Mbi, Peter D ' Ü á D ' Ý ß
McDonnell, Ellie D ' Ý Ý
Mehnert, Hannah D ' Ý á
Mendiola, Morgan D ' Ü ä
Meredith, Emily D ' Ý Ü D ' Ý Þ
Miller, Victoria D ' Ü ä
Mokos, Alexis D ' Ü ä
Morales, Elisa D ' Ü ä
Moriarty, Jacob D ' Ý ß
Muhammad, Maha D ' Þ Ü
Mummaka, Sai D ' Ü Ü
Musku, Vamshi Reddy D '
Ü ä
Noyola, Lizbeth D ' Þ Ü
O'Brien, Michael D ' Ü Ý
O'Connor, Sarah D ' Ý á
Ogbuli, Rose-Marie D ' Ü Ý
Olynyk, Brianna D ' Ü ä

Ornelas, Erika D ' Þ Ü
Pacheco , Lucero D ' Þ Ü
Padilla, Mireya D ' Ü Ý
Pala, Loren D ' Ü ß
Palmer, Kaitlyn D ' Ü Þ D ' Ý Ü
Pamulaparthy, Sai
Akhil D ' Ü Þ
Pannitto, Michael D ' Ü Ü
Parker, Elyja D ' Ý ß
Patel, Ami D ' Ý ä
Pawlisz, Courtney D ' Þ Ü
Paz-Ramirez, Norman D '
Ý Ü D ' Ý Ý
Pelekoudas, Linsey D ' Þ Ü
Pipper, Kierstyn D ' Ü ß
Police, Saikiranreddy D ' Ü ä
Powell , Joseph D ' Ü ß D ' Ý Þ
Pragides, Alexis D ' Þ Ü
Priddy, Alexis D ' Ü Ü
Prince , Jacob D ' Ü ä D ' Ý Ý
Puchula, Rahul D ' Ü ä
Purdy, Jen D ' Þ Ü
Qualizza, Lauren D ' Ü ß
Quinones, Arthur D ' Ü ä
Qureshi, Abdurrahman D '
Þ Ü
Rachid, Noor D ' Þ Ü
Raimbault, Lauren D ' Ü ä
Ramos, Leonardo D ' Ý Þ
Reyes, Kevin D ' Ü ß D ' Ý Ü D ' Ý Þ
Richardson, Allison D ' Ý ä
Roark, Brendan D ' Ü ä
Robinson, Raven D ' Ý ä
Rodarte, Yanise D ' Ü ä
Rogers, Charles D ' Ü ß D ' Ü Þ
Roncer-Bellido, Ana D ' Ü ß
Rozhon, Jimmy D ' Ü ä
Rubio, Angel D ' Ü ä
Rubio, Jacob D ' Ý Ü
Saad, Waheed D ' Ü ä
Samson , Ezra D ' Ý Ü
Sanchez, Charlie D ' Ý Ü
Sanchez, Dayanna D ' Ü Ý
Sanchez, Rebeca D ' Þ Ü
Sanders, Jasmine D ' Ý ä
Saxen, Stephanie D ' Ü ä
Scanlon, Sophie D ' Ü ä
Schaefer, Katelyn D ' Ü ä
Schrieffer, Matthew D ' Þ Ü
Schultz, Brindyn D ' Ü ä

Scott, Ethan D ' Ý Ü
Senese, Matthew D ' Ý Ý
Sheets, Katey D ' Ü ß D ' Ý Ü
Shukair, Halimah D ' Ü ä D ' Ü Ý
Smith, Brittany D ' Ý ä
Smith, Casey D ' Ý Ü
Smith, Gameti D ' Ü Þ

San, Jasmine, Yanisev D ' Ü ä

Smithasey D ' Ý Ü
Senese H @ Æ æ D ' Ü ß

Smith, Jasmine
Scanlon, Ana
, Ethan D ' Ü ä



STUDENT'S CHOICE AWARD

Help us choose the winning projects! All student attendees at Celebration of Scholarship can vote for up to three poster projects and up to three concurrent sessions. Cast your vote using the QR code links posted on site. All votes must be received by 4:45pm on April 13. At the 5:30pm Awards Program, the Student's Choice winners will be announced, and cash prizes will be awarded.

FACULTY & STAFF JUDGES

All concurrent and poster session projects will be evaluated by faculty and staff judges for additional prizes across several categories. Thank you to the following Lewis University faculty and staff volunteers!

Amanda Harsy
Ann Guernon
Arsalan Memon
Cara Sulyok
Christine Billups
Cindy Howard
Cynthia Mischia
Dan Kissel
Dana Dominiak
Erin Zimmer
Hannah Klein
Hayley Miller
Holly Snyder
Jake Cho
James Oakley
Jeannine Haberman
Jerry Kavouras
Kami Tsai
Kayla DeCant
Krysten McGee
Lesley Page

Mathias Plass
Maureen McCormick
Michele Ryan
Mike Cherry
Natalia Tapia
Pamela Taylor
Pramod Mishra
Reza Gharoie Ahangar
Sam Kinser
Sandy Petersen
Spencer Campbell
Steve Sherwin
Sung Kim
Teresa Bixby
Theresa Jones
Tom Dupre
Tom McNamara
Tricia Littig
Vesna Markovic
Victoria Reynolds
