General Information

F A C S

Culture of Inquir Advisory Committee; the University O ce of Graduate Studies; the Colonel Stephen W. and Ly oherty Center for Aviation and Health Research; the Lowell Stahl Center for Entrepreneurshi d Real Estate Studies; the History Center: Urban, Cultural and Catholic History of the Upper Midwes Center for Ministry and Spirituality; the University Faculty Development Committee; and the Sch cademy.

Dear Members of the
Lewis Community:

Welcome to the Fifth

Dear Colleagues:

As we once again dedicate a day to recognizing and sharing the scholarly accomplishments of our undergraduate students, graduate students, and faculty, we gratefully acknowledge all who contributed to our 5th Annual Celebration of Scholarship. Having become an important part of the culture at Lewis University, the record number of presentations this year demonstrates the significant contribution of this day in building a culture of inquiry across our campus community. In particular this year, we thank Brother James Ga ney, FSC, our President for the last 28 years, for his consistent support of the scholarly initiatives that are essential to the growing reputation of Lewis University as an institution known for rigor and excellence in the research, scholarly, and creative work of its students and faculty.

Rather than the traditional Keynote Address, this year's Plenary Session, Promoting Student and Faculty Scholarship through Lasallian Research, builds on our recently launched Lasallian Research Grant Program. Brother James Ga ney, FSC, sponsor of the grant, will provide background on the international Lasallian Research initiative and discuss the significance of students working with faculty on Lasallian research, for the world, Lewis University, and our students. is will be followed by a panel of faculty who received Lewis University Lasallian Research Grants: Dr. Jerry Kavouras, Dr. Seung Kim and Drunc

PLENARY SESSION

11 AM – NOON

SANCTA ALBERTA CHAPEL

Welcome

Dr. Nan Yancey, Dean, Office of Graduate Studies

Introduction of Speaker and Panel

Dr. Joyce Hayward, Professor, College of Education; Director of Faculty Development

, 201

Keynote Address and Faculty Panel

Brother James Ga□ney, FSC, President, Lewis University

Panelists:

Dr. Joyce Hayward, Panel Moderator

Dr. Seung Kim, Professor, Secondary Education
Project: Di□using Mobile Technologies in Students' Learning and Daily Life in Lasallian Universities

Dr. Ryan Phillips, Associate Professor, Aviation & Transportation
Project: Serving Population Growth with the Advancement of Crop Analysis and Precision Agriculture through Economical Data Delivery Methods: Phase I

Dr. Jerry Kavouras, Associate Professor, Biology
Project: Changing Food Webs in Lake Michigan: Dreissena and the Microbial Loop

Audience Questions and Comments

Facilitated by Dr. Hayward

Closing Remarks

Dr. Stephany Schlachter, Provost of Lewis University

PROMOTING STUDENT AND FACULTY SCHOLARSHIP THROUGH LASALLIAN RESEARCH

Br. James Gaffney, FSC

e keynote presentation of this year's Fifth Annual Celebration of Scholarship n

CONCURRENT SESSIONS

(illegible 0)

07 Session I (1:15-2:15, [illegible])
12 Session II (2:30-3:30, [illegible])
17 Session III (3:45-4:45, [illegible])
22 Session IV (5-6, [illegible])

Session I
1:15-2:15PM

AS-150-A

AS-155-A

Moderator: Ann O'Brien

Fredrick Nietzsche's Influence on Nazi Fascism

Undergraduate Student Project in Social Sciences

Ashley Patek

ere is a great deal of debate regarding how much Friedrich Nietzsche's philosophy influenced Hitler's ideology. However, there are several similarities between Nietzsche's philosophy and Nazi fascism.

Bonhoe□er vs. Hitler's Reich Church

Undergraduate Student Project in Humanities

Ana Trujillo

is presentation will report on research into the anti-Semitic Nazi ideology which pervaded Hitler's Reich Church, and the Christian theological critique of it, made by Dietrich Bonhoe er, a leading Lutheran theologian in Germany during World War II. Although originally a pacifist, Bonhoe er joined a conspiracy to assassinate Hitler.

AS-157-A

Moderator: Dr. James Houlihan

Session II
2:30-3:30PM

AS-150-A

Moderator: Jane Trainor

Innovative Teaching Strategies for Childcare Sta

Undergraduate Student Project in Nursing

Jennifer Guare & Daniel Dispenza

e purpose of this evidence-based practice project was to develop and implement an interactive memory recall game to enhance knowledge retention of common pediatric illnesses for Head Start sta , and evaluate the e ectiveness of the approach.

The Garden of Diversity

Undergraduate Student Project in Social Sciences

Kimberly Voltaire

In this presentation, Jenni6 .9 (a)q 1 0m a q 291e1. .9 (at)8ennille 4Oa

AS-155-A

Moderator: Dr. Andrea Krieg

Where is Most Foreign Direct Investment Going and Which Countries are Most Attractive for Foreign Investments?

Undergraduate Student Project in Business

Diego Avalos & Dion Ursino

We will analyze which countries have the most Foreign Direct Investment (FDI) and their relationship to the global opportunity index (attracting foreign investment). Our preliminary results are that well established countries would attract the most FDI.

Institutions: The Power Mirror

Undergraduate Student Project in Social Sciences

Andres Mendez

Following two world wars in the 20th century, institutions like the United Nations have emerged as a means to promote global cooper the UlcqFDI v6h9MC /Span dvETEMCC BT1 Studen8ID Studen8ID

AS-156-A

Moderator: Terry Karapas

Apolipoprotein E: A Genetic Risk Factor for Late-onset Alzheimer's Disease

Undergraduate Student Project in Math & Science

Joseph Spizzirri

Late-onset Alzheimer's disease (LOAD) is one of the most common forms of dementia worldwide and is still under investigation. e most significant risk factor, Apolipoprotein E (APOE) E4 gene, has been associated with neural degeneration and the buildup of toxic amyloid plaques in brain tissue of those a ected by LOAD.

Sexual Di□erentiation of Males Not Limited to SRY

Undergraduate Student Project in Math & Science

Maisa Abu-Mallouh

AS-157-A

Moderator: Dr. Christine Billups

Halloween: Monster vs Man

Undergraduate Student Project in Humanities

Carrera Powell

A look at the film "Halloween" and how Michael Meyers' mask makes us consider whether we choose to see Meyers as a monster or a man.

Commerce vs Art: A Tale of Cinema Purgatory

Undergraduate Student Project in Visual Arts

Miguel Gonzalez

is film essay explores the artistic but commercially unsuccessful journey of Richard Williams' animation film " e ief and the Cobbler", which was trapped in production purgatory for 31 years.

Who is the Real Monster?: A Critique of "I Saw the Devil"

Undergraduate Student Project in Visual Arts

Michael Lane

is project is an examination of au identification and the balance betw ty and brutal in the film "I Saw the De

AS-158-A

Moderator: Cathy Bohlin

Pharmocogenetics in Breast Cancer Treatment

Undergraduate Student Project in Math & Science

Victoria Abraham

e pharmacogenetics in the treatment of breast cancer is my focus. I will be talking about the tyrosine kinase inhibitors, vascular endothelial growth factors, as well as a number of medications paired with therapies in e ectively preventing the progression of breast cancer, and in the aid of treatment.

Checkpoint Blockades: Harnessing the CTLA-4 and PD-1 Pathway in Cancer Immunotherapy

Undergraduate Student Project in Math & Science

Hannah George

Cancerous tumors are characterized by their ability to evade the human body's immune system, however the study of checkpoint blockades as a potential target of cancer immunotherapy has allowed for the harnessing of the Cytotoxic T Lymphocyte Associated Antigen- 4 (CTLA-4) and Programmed Cell Death (PD-1) pathway. e blocking of CTLA-4 will allow for a continued and specific T-cell response towards tumor antigens, while the suppression of the PD-1 molecule will decrease the signal for T-cell death, resulting in sustained activity against tumor cells.

Using Technology to Facilitate Integration of Authentic Research into the Undergraduate Microbiology Laboratory Environment

Faculty Caterpillar Scholar Project in Math & Science

Dr. Marne Bailey & Jeanette Pifer

In recent years, recommendations have been made by many national groups and funding agencies supporting the integration of research into the undergraduate science laboratory environment at a very early stage. At the core of the recommendations are the ideas that early exposure to authentic research experiences helps students to excel in the scientific disciplines and helps increase persistence in study and retention of students in the STEM disciplines.

Session III
3:45-4:45PM

AS-150-A

Moderator: Dr. Lynn Tovar

The Reliability of the Horizontal Gaze Nystagmus Test in Motorists with Pathophysiological Conditions: Is There Truth in the Eyes?

Graduate Student Project in Social Sciences

Christine Alessi

[illegible]

is presentation examines the reliability of the NHTSA's training program related to Horizontal Gaze Nystagmus.

Freedom's Converts: [illegible]ois Soldiers Respond to S[illegible]ry During the Civil War

Undergraduate Student Project in Social Sciences

Richard Maska

[illegible]

Based on a paper I am giving at the [illegible]ey History Conference in March, this p[illegible]ill examine soldiers' views on slavery a[illegible] close, their interactions with Africa[illegible]d how ultimately these experiences he[illegible] soldiers of the necessity of emancipa[illegible]al.

AS-155-A

Moderator: Br. Pierre St. Raymond, FSC

Historic Preservation Around the Old Joliet Prison

Undergraduate Student Project in Visual Arts

Lexi Austring & Laura Pratt

In this presentation, we will argue for the importance of looking at local historic preservation, specifically of the old Joliet Prison, through the art of photography.

Milne Family Collection

Alumni Project in Social Sciences

Stephanie Silkey & Skyler Wurst

e Milne Family donated documents and objects to Lewis University dating back to the 1800s that give insight into Lockport and the surrounding communities. e objects and documents teach students in a di erent, more engaging way about Lewis' surrounding past than a textbook would be able to.

AS-158-A

Moderator: Dr. Ryan Hooper

The E□ects of Grit, Resilience, and Self-Control on the Experience of Anxiety in College Students

Undergraduate Student Project in Social Sciences

Ali Brems, Cailey O'Donnell, Katrina Silacz, Andrea Holm & Paige Cremerius

We investigated the relationship, between three types of coping strategies and the experience of anxiety in college students. e three types of coping strategies are: (1) Grit- the tendency to sustain interest in and e ort toward very long-term goals; (2) Resilience- the ability to "bounce back" after a challenge or di culty; and (3) Self-Control- the regulation of impulses in the presence of temptations or diversions. We hypothesized

AS-155-A

Moderator: Dr. Tom Bristow

Exploring Basic Fundamentals of Supervision Models in Counseling

Graduate Student Project in Social Sciences

Stephanie Pruefer, Jessica Johnson Berrios & Bonnie Hansen

[illegible]

is project will provide an overview of what supervision consists of and how it benefits mental health professionals. e topic will emphasize the utilization of models to promote professional growth in supervisees as well as professional competency in supervision.

Therapeutic Approaches in the Treatment of Complex Trauma

Faculty Project in Social Sciences

Martha Jarmuz

is project investigates the e ectiveness of process-oriented, outcome-oriented, and trauma-specific interventions in mental health counseling for complex trauma.

Journey of the Caregiver: Postcards from the H edge)

Faculty Project in Social Sciences

Dr. Clare S. Lawlor

If any of your family members are s g from memory loss and related thinking p s, this presentation is for you. Clare will d e journey of the caregiver who experiences th loved one even though they are still physi Utilizing narrative stories of her family, she w t the need for self-care and for connectio fam-ilies who are experiencing similar lo sion, loss, and hope are integral parts of t on.

AS-156-A

Moderator: Dr. John Parker

Oppression of the Dream

Graduate Student Project in Social Sciences

Amy Murillo

AS-158A

Moderator: Dr. Pamela Jessee

Would Brexit be the End of the European Union?

Graduate Student Project in Business

Ethiene Narvaez

is is a presentation of a research paper reviewing the e ects of a Britain exit (Brexit) from the European Union. Britain is taking protective measures to retain its global economic powerhouse; however, will Brexit be the end of the European Union as we know it?

A Design Studio Built on Association

Undergraduate Student Project in Visual Arts

Kendall Dale, Jacqueline Marchildon & Alexander Turner

Members of Red Graphics will discuss the development of a student-run design studio and how the values of association and service have guided them in the creation of this student organization. Additionally, members will speak about the challenges they have faced defining their identity, working with clients and developing a systematic process based in sound design and business practice.

Analytics Oriented Risk Management: Pattern Discovery and Decision Support Vectors

Faculty Project in Business

Dr. Ibrahim Mescioglu

Business professionals challenged by the uncertain nature of competitive industries are increasingly utilizing stochastic risk management processes. is study presents novel analytics approaches for pattern discovery and decision support for such business problems.

Notes

Exhibit
1:00-6:00PM

ACADEMIC BUILDING HALLWAY OUTSIDE OF AS-134-A

Nurse Faculty Shared Prayers and Reflections

Faculty Project in Social Sciences

Melanie Obispo-Young, Nanci Reiland, Sandra Razka, Dr. Kathleen Blanchfield, Dr. Linda Ryan & Dr. Gwen Svoboda

Sharing created prayers and reflections gives words to expressions of gratitude, praise, needs, desires, emotions, and to inspiring hoped-for visions. Shared prayer brings people together in faith and in association.

Notes

POSTERS

(illegible 0)

33 Session A (2:30-3:30 [illegible])

SESSION A
2:30-3:30PM

1 Mental Illness in America's Prison System

Undergraduate Student Project in Humanities

Brittany Gorski

Severe lack of funding has removed all resources that mentally ill individuals use to actively and positively participate in our society. We need to provide assessments of the social, medical, and clinical needs of inmates and appropriate treatment and services that address mental health in order to justly treat all human beings.

4 Literary Symbolism Shows Our Shared Oppressions: A Comparative Analysis of Hansberry and Vega

Undergraduate Student Project in Education

Amanda Gieseler

is is a literary analysis of how women writers of color use literary symbolism to question and contend against oppression.

7 Painting the Unspo en Truth

Undergraduate Student Project in Humanities

Stephanie Hernandez

is is a theoretical literary analysis ed Owen's well-known poem *"Dulce et est."* I applied a literary periodicity to

10 Presentation on M Literary Criticism

Undergraduate Student Project in Humanities

Ashley McCann, Kaileen B Meghan Starcevich

is poster details a group project on Literary eory in relation to Lorrain Hansberry's play, "A Raisin in the Sun

13 The Power of Postcolonial Theory

Undergraduate Student Project in Education

Julia Mach, Taylor Morgan & Je Jurinek

is poster describes Postcolonial eory and the breakdown of its literary and historical elements. e poster also relates Postcolonial eory to classic "Americana" stories, such as "Young Goodman Brown" and contemporary ethnic stories, such as " e Lone Ranger and Tonto Fistfight in Heaven."

16 Type Me. Print Me. Know Me.

Undergraduate Student Project in Education

Jessica Winterstein

is paper o ers an in-depth look at the piece "Sometimes the Words are so Close" by Julia Alvarez.

19 Nurse Drug Diversion/ Addiction and Treatment

Undergraduate Student Project in Nursing

Lisa Simmering

Approximately 1 in 10 nurses have an addiction issue. is project developed a brochure to assist nurses in recognizing the signs and symptoms and how to seek assistance from their healthcare facility.

22 Comprehensive Conservation of the Indiana Bat

Undergraduate Student Project in Math & Science

Erin Cox

In order to achieve e ective protection of the federally endangered Indiana bat, *Myotis sodalis*, a wide range of extensive research must address the many aspects of the species ecology while bearing in mind the growing threats of habitat destruction, climate change, and white-nose syndrome.

25 Arab Spring Cause and E□ect

Undergraduate Student Project in Social Sciences

Mary Huggins

[illegible]

is presentation looks at the causes of the Arab Spring, and its lasting e ects on the countries that were involved.

28 Preventing Amyloid-B Peptide Aggregation

Undergraduate Student Project in Math & Science

Emily Vihnanek

[illegible]

Production of reactive oxygen species (ROS) by the amyloid beta peptide is a known cause of

40 Innovation in Robotics: Microsurgical Applications

Undergraduate Student Project in Math & Science

Erik Medina

A glove was developed to control a robotic hand fabricated from 3D-printed parts to illustrate the future of microsurgery. e robotic hand will be demonstrated during the poster presentation.

43 Recruitment and Retention of Minorities in STEM

Undergraduate Student Project in Education

Leanna Pitsoulakis & Alyssa Malzone

Last year for Celebration of Scholarship, we researched the under-representation of wo0.6guesearch ⁄MCIc9 mM2ccTE 546 (M)7 (6(a)-11d(e)20 (urg)7 (e11 0 54 202.2601 T

52 Conductive, Antibacterial Nanocomposite Fibers for the Application of “Smart” Textiles in Wearable Technologies

Undergraduate Student Project in Math & Science

Jessica Chavez

e emergence of wearable technologies has led to the development of next generation “smart” textiles that exhibit multifunctional characteristics such as electric conductivity, superior fiber strength, and bactericidal capacity. One major research area has focused on the preparation of conducting nanocomposite fibers that can conduct electrical charge via the extended conjugation present within their chemical structure.

55 Analysis of Normal vs Mutated Cyclin D3 Protein Structure Using Molecular Modeling and Novel Polypeptide Synthesis

Undergraduate Student Project in Math & Science

Courtney Dial & Michelle F ndez

e Cyclin D3 protein has been obs rrelate with many cancers at an interesting hen mutated, therefore through molecul and novel synthetic techniques the inter ied.

58 The Synthesis, Characterization, a Application of Org Conductive Substr Solar Cell Applicat

Undergraduate Student Project in Math & Science

Jordan Shanahan & Zachar

is work details the development of cell anode for alternative energy deve

61 Characterization and Dermal Interaction of Sunscreen Product Nanoparticles in Common Environment

Undergraduate Student Project in Math & Science

Taylor Foytik

e aim of this work is to characterize the absorption of sunscreen chemistry and nanoparticles to simulated skin (bio-polymer based) surfaces in varying environmental conditions. More specifically analysis of the molecular interactions between sunscreen and skin simulated films will be explored using UV/Vis spectroscopy and atomic force microscopy techniques.

64 Synthesis of a Better Curriculum: Organic Chemistry in Brief

Undergraduate Student Project in Math & Science

Lisa Schopper

is project includes creating activities for general chemistry students in order to better prepare them for organic chemistry. ose who have successfully completed organic chemistry will evaluate the activities on the basis of helpfulness, relatedness, and applicability.

67 The E ects of Power and Distance on Wireless Charging

Undergraduate Student Project in Math & Science

Kenneth Kratzer

e e ect of increasing power to a wireless system will be compared to its usable distance.

70

73 Anti-Thyroid Medication Targets Treg and Th17 for Treatment of Grave's Disease

Undergraduate Student Project in Math & Science

Katherine Quiroz

Graves's Disease, the leading cause of hyperthyroidism, is an autoimmune disorder that results from antibodies binding to TSH receptors, leading to overproduction of thyroid hormone. e three primary treatment options available for Graves' Disease include anti-thyroid medication such as Methimazole, radioactive iodine and surgery.

76 Probability in Sports Wagering

Undergraduate Student Project in Math & Science

Kurt Becker

is project will analyze the statistics behind sports wagering, more specifically the point-spread line, as well as how sports wagering impacts the community.

79 Estimating Baseball Exit Velocity

Undergraduate Student Project in Math & Science

Dylan Osterman

Baseball exit velocity is the speed at the baseball is traveling after being hit by the bat project compares the ball exit velocity estim g a mathematical equation to the actual d velocity.

82 Let's Get Physical to Enhance Mobili the Inpatient Setti

Undergraduate Student Project in Nurateveling Dylan Osnde p Stud

85 An Analysis of Lewis University's Waterprint

Undergraduate Student Project in Business

Thomas Cornes

Water usage data for each building on campus was analyzed in order to determine water consumption habits. Solutions to reduce water consumption by Lewis University were made based on data collected.

91 Interaction of Various Detergent Compositions with Di□erent Surfaces

Undergraduate Student Project in Math & Science

Tala Zubi, Nicole Tangen & Stephen Kurek

A major area of research has focused on the use of micelles that contain cleaning agents that are control released. Using micelles, an aggregate of surfactant molecules dispersed in a liquid, results as a replacement to typical soaps being used.

94 Cognitive and Social E□ects

111 Possible E□ects of Low-Dose Exposure from Bisphenol A

Undergraduate Student Project in Math & Science

Alexander Elston

is paper looks at studies and findings from both humans and lab animal experiments and the various e ects that come from exposure to di erent levels of BPA.

112 Win Probability in MLB Games

Undergraduate Student Project in Math & Science

Nathan Branchaw

Over the past ten years, a field called sabermetrics has gained steam not only in Major League Baseball (MLB), but in all professional sports. Sports have become a data-driven industry. Win expectancy (WE) is one of many ways we can try to predict the outcome of a MLB game. In this project, we will explore win expectancy throughout a MLB game, along with the win probability added (WPA) from each player participating in that game. We will also analyze how park factors can give advantages or disadvantages to pitchers or hitters.

114 Salt Water Purification

Undergraduate Student Project in Math & Science

Nathan Ho□mann

Cost e ective ways to remove sodium chloride from water are investigated.

115 Intelligent Personal Activity Scheduling

Undergraduate Student Project in Math & Science

Rungkiart Thongsri, Michael Korzon & Joseph Onesto

We present an approach for scheduling activities in a personal calendar by using a constraint satisfaction problem formulation and searching for optimal schedules.

118 Host Antimicrobial Peptides and Their Anti-Cancer Peptides

Undergraduate Student Project in Math & Science

Urtan Rrahmani

Certain antimicrobial peptides found in varying organism's host defense against foreign agents have been found to have selective anticancer properties.

SESSION B
3:45-4:45PM

2 Poetry in Times of Psychological Distress

Undergraduate Student Project in Humanities

Kaileen Beckman

14 Preparing Teachers for the Diverse Classroom

Undergraduate Student Project in Education

Nicholas Falese & Miguel Silva

e educational field, like all other fields, is made up of unique and diverse individuals. Teachers and students come from di erent backgrounds, cultures, and beliefs. It is every teacher's goal to reach every single student in mtj(y t)6336et

29 Determining the Success of a Mathematics Major

Undergraduate Student Project in Math & Science

Elizabeth Langland & Dylan Groskreutz

In this project, we are attempting to find characteristics of math majors and calculus students that led to their success.

32 What's Powering Lewis?

Undergraduate Student Project in Math & Science

Samantha Bluemer

is study overviews the total energy and water consumption habits of Lewis University and seeks to identify future opportunities for conservation.

35 Inquiry-Based Physics Labs

Undergraduate Student Project in Education

Christopher Blogg

With the new science standards being implemented across the country, new labs are needed to meet their requirements. ese labs will be inquiry and hands-on learning based to improve student learning.

41 Gold Nanoparticles for Novel Fingerprinting Applications

Undergraduate Student Project in Math & Science

Nicole Yuede & Kevin Bar

e current methods for on-scene d entation of latent fingerprints have been prover naccurate and often times distort or destroy th rint sample. is work sets out to create finition fingerprint film using a novel metho gold nanoparticles as an aerosol in order rize the fingerprints without compromising mple.

42 The Synergistic E That Semiconduct Organometallics, a e Light Chromophor on the Photodegra of Organic Pollutan

Graduate Student Project in Math & Science

Jacob Murray & Arielle Flo

e aim of this research is to design a photocatalytic nano composite syster of photodegrading organic pollutants

47 Synthesis of Nanocomposite Hydrogels and Nanofibers for Wound Management Applications

Undergraduate Student Project in Math & Science

Katherine Wortman-Otto

In this project, we are focusing on hydrogels and how they will help burn victims.

50 Metabolic Competence and Viability of *P e domona* as a Means of Facilitating Bioremediation

Undergraduate Student Project in Math & Science

Mitch Bokowy

Industrial pollution is a growing problem in modern, civilized society. Experiments have shown that *Pseudomonas* bacteria serve as useful organisms for

74 The Mathematics Behind the SET Card Game

Undergraduate Student Project in Math & Science

Michael Smith

is project will analyze the mathematics behind the card game of SET.

77 beDownEDr.ergraduate Student Project in Math & Science

83 Emojivision: A System

107 Comparative Analysis of Latina and Latin American Women Writers

Undergraduate Student Project in Humanities

Jessica Jordan

[illegible]

is project presents a cross-referenced analysis of Latina and Latin American women writers who are often doubly-marginalized and confused with one another. It includes an examination of the cultural nuances that distinguish North from South American Hispanic women's experiences.

110 Constructing an Atwood's Machine and a Rubin's Tube

Undergraduate Student Project in Math & Science

Kyle Rohde

[illegible]

is project demonstrates the construction of two mechanisms for classroom demonstrations of gravitational acceleration and sound wave properties.

116 Genome Editing Using CRISPR-Cas9 System to Correct Genetic Diseases

Undergraduate Student Project in Math & Science

Samantha Urchell

[illegible]

Gene therapy using the CRISPR-Ca[illegible]m has enabled researchers to edit DN[illegible] mutations. In the future, this approa[illegible] used to correct a number of human [illegible] diseases and improve overall health.

117 Implications of Fe[illegible] Microbiota Thera[illegible] Weight Managem[illegible]

Undergraduate Student Project in Math & Science

Justin Salazar

[illegible]

As the physiological significance of t[illegible] microbiota has increased, fecal micro[illegible] have gained momentum as a new an[illegible] option for treatment. While the full s[illegible] microbiota's influence on metabolic p[illegible] to be seen, fecal microbiota therapy h[illegible] great promise as a weight managem[illegible]

119 Type III Secretion Systems, a Targettio5N 1 k1

SESSION C
5:00-6:00PM

3 Do Sta□ Nurse Perceptions of Nursing Students Change after Implementation of a Written Feedback Form?: A Pilot Study

20 Domestic Violence and Childhood

Graduate Student Project in Social Sciences

Biljana Naumovski, Alexsandrea Pahlman, Tanya Brown & Angelina Rotar

[illegible]

is poster will discuss the outcomes of domestic violence experienced in early childhood. Specifically, this presentation will explore and review the research on possible e ects of domestic violence and abuse during childhood.

21 Reducing Medication Use for Dementia Behaviors

Graduate Student Project in Nursing

Christine Blake

[illegible]

is is a research proposal aimed at investigating how to decrease the frequency of medications used to treat behaviors in long term care dementia residents.

24 Evaluation of an Undergraduate Peer Mentor Program

Graduate Student Project in Nursing

Erin Gee, Andrea Paladino, Rubie Costales

[illegible]

A comprehensive literature review i [illegible] that peer mentoring has positive e ects [illegible] on and student-perceived support. A retros [illegible] dy was designed to evaluate the e ectiv [illegible] CONHP's Peer Mentorship Program [illegible] to GPA, retention, and student-perceiv [illegible] Survey Monkey, containing the Men [illegible] ons Questionnaire (MFQ-9), was distrib [illegible] data on perceived support as a result [illegible] n in the Peer Mentorship Program. Ad [illegible] and retention data of program partic [illegible] compared to all CONHP undergradu [illegible] students. Collected data will be analy [illegible] appropriate recommendations for th [illegible] and expansion of the Peer Mentorshi [illegible]

44 Influences of Gender, Bias, and Other Related Issues in Clinical Supervision

84 EB-5 Investor Program: Economic and Social Implications in the U.S. and Worldwide

Graduate Student Project in Business

Kathleen Giblin

[illegible]

is research project explores the economic e ects of the EB-5 investor program both in the United States and worldwide. e project also takes into consideration the social justice implications of this program that targets immigrant investments of $500,000 or more in exchange for U.S. immigration status.

87 Strategically Using Music as an Instrument for Enhancing Teaching in English Language Arts Classrooms

Undergraduate Student Project in Education

Hayley Rife & Joseph Laraia

[illegible]

is presentation will focus on the e ect that music has in the classroom. Research on the e ect of various genres of music on classroom learning will be analyzed, in order to arrive at a conclusion on whether or not music aids learning.

88 The E□ectiveness of Distress Tolerance with Adolescents in Counseling

Graduate Student Project in Social Sciences

Alexa Cairo, Matthew Cas[illegible]
Donna Lordi & Sinar Steel[illegible]

[illegible]

is project highlights the e cacy c[illegible]ors implementing distress tolerance wit[illegible]cents.

90 The Future of Hist[illegible] Digitizing the Past

Graduate Student Project in Social Sciences

Tyler Cosich

[illegible]

A presentation of the potential of tec[illegible] resources in the social sciences class[illegible] an examination of the various applica[illegible] within any social studies curriculum.

93 Models and Theories of Clinical Supervision in Mental Health Counseling

Graduate Student Project in Social Sciences

Sarah Abbas, Heather Parkins, Alexsandrea Pahlman & Ashley Dotson

is presentation is an exploration of several models of clinical supervision in the field of mental health counseling.

96 To Be or Not to Be:

108 Factors A□ecting Attrition in Graduate Nursing Programs

Faculty Project in Nursing

Dr. Suling Li

is poster is a review of the literature that examines various reasons why attrition may occur in graduate nursing programs.

113 TF-CBT vs EMDR

Graduate Student Project in Social Sciences

Monika Dlugopolski

e main premise of the presentation is to look at two therapy options for children who su ered childhood abuse. e presentation focuses on causes and prevention options to help educate and decrease occurrence.

BUSINESS PLAN

65 Session 1 (1:15-2:15、[illegible])
66 Session 2 (2:30-3:30、[illegible])
67 Session 3 (3:45-4:45、[illegible])
68 Session 4 (5-6、[illegible])

Session I
1:15-2:15PM

AS-132-A

Moderator: Kristin Burton

The Campus Closet

Undergraduate Student Project

Laura Fox

A mobile application that allows college students to buy and sell gently used clothing items.

McClimb Studios

Undergraduate Student Project

Jacob McVey

A gym that combines the sports of bouldering (a popular type of rock climbing) and Ninja Warrior.

Weddings by Hannah

Undergraduate Student Project

Hannah Taylor

Nationally recognized wedding planning business focused on creating valuable relationships between clients and event planners.

Change U

Graduate Student Project

Kathleen Giblin & Erin Wa

A company dedicated to advancing ncial lives of college students through an inter cial media savings program. Change U will hel tudents become more fiscally responsible an ney in ways they would have previously no ossible.

Ethan Sweeney Insura and Financial Services

Undergraduate Student Project

Ethan Sweeney

Advise clients on personal and busin decisions by accessing all State Farm policies and practices. In addition to consult clients on personal finances s information, college savings, and life

Session III
3:45-4:45PM

AS-132-A

Session IV
5:00-6:00PM

AS-132-A

Moderator: Kristin Burton

Comfort Express Hotel

Undergraduate Student Project

Alfred Chan, Connor Ritzi & Arthur Chan

is is a company that aims to take advantage of idle and unused college dorms across the U.S. during the summer months. is service is not intended to create a five star experience. It is designed for customers who are looking for a cheap and convenient place to stay.

Global Grant Services

Undergraduate Student Project

Mwikali Munyao

is is a grantwriting and consulting company that assists students, prospective business owners and current business owners on attaining and qualifying for grants that would advance their careers.

Workout Grip

Undergraduate Student Project

Dion Ursino

A new product designed to protect hands from calluses. Also, it provides for extra grip strength and has an ergonomic design.

A

Abbas, S 2
Abraham, 1
Abu-Mallouh, 14
Adams, 3
A aneh, 11
Albers-Lopez,
Alessi, C 1
Al-Salem, S
Angeles, 40
Arcara, 41
Arce, A 4
Atkins, A 0
Austring, 1
Avalos, D 2
Avalos, D 13

B

Bailey, 1
Baker, S 4
Baltazar, C 4
Barker, 4
Becker, 3
Beckman, 33, 43, 4
Benedict,
Biegel, 4
Blake, C
Blanchfield, 2
Blogg, C 4
Blount,

Gobber, [illegible] 3
Gonzalez, [illegible] 1
Gorski, B [illegible] 33
Groskreutz, D [illegible] 4
Guare, [illegible] 12

H

Hansen, B [illegible] 23
Hardin, [illegible] 41
Harris, B [illegible] 3 , 4
Harrison, [illegible] 3
Heis, A [illegible]
Hernandez, [illegible] 4
Hernandez, S [illegible] 33
Hertz, [illegible] 44
Hild, [illegible] 0
Hinojosa, C [illegible] 44
Hodul, [illegible] 44,
Ho□mann, [illegible] 42
Hofmann, [illegible] 4
Holdman, [illegible] 2
Holm, A [illegible] 21
Hooper, [illegible] 22
Huggins, [illegible] 3

P

Pacella, 3
Page, 2
Pahlman, A 2
Paladino, A
Parkins, 0, 2
Patek, A
Patel, D 0
Pawlak, S 2
Pifer, 1
Pitsoulakis, 3
Powell, C 1
Pratt, 1
Pruefer, S 23
Purri,

Q

Quiroz, 3

R

Ramel,
Ratay,
Razka, S 2
Rech, 3
Reiland, 2
Renison, 30
Rickho, 1
Rife, 1
Rohde, 1
Rotar, A
Rrahmani, 42
Russell, B 43
Ryan, 2

S

Saari, 20
Sadecki-Lund, C 4
Salazar, 1
Saldana, A 4
Sanchez, 0
Schoder, 2
Schopper, 3
Schuetter, 0
Senese, E 3
Shanahan, 3
Shelton, C 11
Sherry, D 3
Silacz, 21
Silkey, S 1
Silva, 44
Simmering, 34
Siwek, A 13
Smith, 4
Smith, 4
Soukup, A
Spizzirri, 14
Starcevich, 33
Stathopoulos, D
Steele, S 0, 1
Stogsdill, A 2
Strid, 1
Struzik, 44,
Svoboda, 2

T

Tangen, 40
Thomas, E 3
Thongsri, 42
Trujillo, A
Turner, A 10, 2
Turner,

U

Urchell, S 1
Ursino, D 13

V

Vihnanek, E 3
Vittorino, 0
Vogrin,
Voltaire, 12

W

Waters, 41
Weir, 20
Westbrook, A 3
Widel, 3
Wiencek, 3