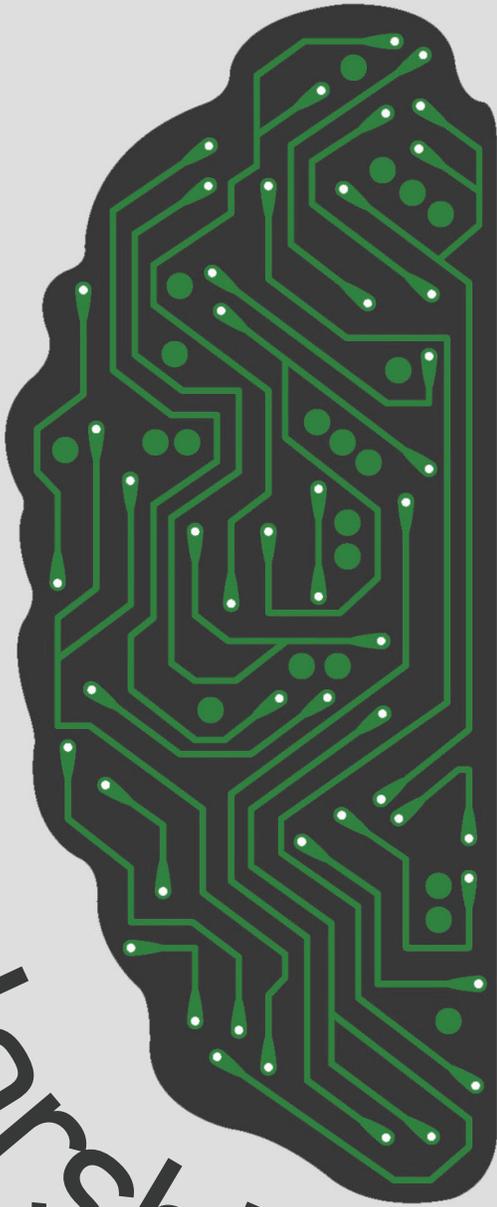


SYMPOSIUM

for
Scholarship



and
Creativity

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Schedule of Events

8:30 – 8:50 a.m.	Welcome & University Awards Ceremony <i>Dr. Katherine Fell</i> <i>Dr. Darin E. Fields</i>	WTS
9:00 – 10:10 a.m.	College of Education <i>Dr. Julie McIntosh</i>	Old Main, Ritz
	Alumni Speaker and Awards <i>Ms. Tonya Thorbahn</i>	
9:00 – 10:10 a.m.	College of Health Professions <i>Dr. Richard States</i>	Davis, 2225
	Alumni Speaker and Awards <i>Mr. Gordon Estlack</i>	
9:00 – 10:10 a.m.	College of Sciences <i>Dr. Jeffrey Frye</i>	WTS
	Alumni Speaker and Awards <i>Mr. Todd Pees</i>	
10:15 – 11:25 a.m.	College of Business <i>Dr. Damon Osborne</i>	Old Main, Ritz
	Alumni Speaker and Awards <i>Mr. Justin Gladieux</i>	
10:15 – 11:25 a.m.	College of Arts, Humanities, and Social Sciences <i>Dr. Ronald Tulley</i>	WTS
	Alumni Speaker and Awards <i>Ms. Casey Heilman</i>	
10:15 – 11:25 a.m.	College of Pharmacy <i>Dr. Debra Parker</i>	Davis, 2225
	Alumni Speaker and Awards <i>Dr. John Roby</i>	
1:00 – 3:20 p.m.	Oral Presentations	Davis & CBSL
3:30 – 5:00 p.m.	Poster Presentations	Croy
3:30 – 5:20 p.m.	Reception Food, Raffle & Prizes	Croy

University Awards Ceremony

Founders' Student Award

Presented By: Dave Emsweller

Julia Harris

Zachary Wildman

Kuenzli-Harada Scholarship

Sadea Akhter Aurna

Aristos Eklektos Membership Award and Outstanding Students

Presented By: Ms. Alexis Caroline

New Inductees:

Olivia Clune

Kade Slagle

Kyra Znaczk

Bailey Boyer – *Senior*

Alexis Caroline – *Senior*

Ally Decker – *Senior*

Brianna Essien – *Senior*

Lauren Fleser – *Senior*

Current Members:

Megan Berg – *Junior*

Hirva Bhatt – *Graduate*

Alison Imbrock – *Senior*

Katherine Jarvis – *Senior*

Matthew Kelly – *Senior*

Kirsten King – *Senior*

Alexandria Morvai –
Senior

Amanda Predki – *Senior*

Emily Remark – *Senior*

Tecca Ringler – *Graduate*

Mykayla Ruffing – *Senior*

Nicole Scarberry – *Senior*

Cole Smith – *Senior*

Mercedes Snyder –
Graduate

Dana Song – *Graduate*

Ashton VanDyke –

Graduate

Jessica Weeks – *Senior*

Mancuso Award

Presented By: Ms. Brandi Laurita

Hanna Cederholm

Neal Davis

Student Employee of the Year

Presented by: Ms. Mariah Schroeder

Olivia Hatton

Nominees

Student Name

Alexis Rushton

Brigid Griffin

Cheyenne Potteiger

Emily Braun

Emil Paul

Haley Ganger

Hope Brant

Jacquelyn Morris

Molly Owens

Olivia Hatton

Sydney Brown

Syndni Carpenter

Zoe Zuress

Supervisor

Jaymelee Kim

Skyla Mettert

Amy Yeater

Off-Campus

Patrick Grine

Sharinda Welton

Cathy Donovan/Leah Brant

Rachel Darroch

Patrick Grine

Jaymelee Kim

Kirby Overton

Orion Jones

Cathy Donovan/Leah Brant

Department/College

College of Arts, Humanities and Social Sciences

Greek Life

College of Health Professions

Jefferson Primary

College of Sciences

Student Activities

College of Arts, Humanities and Social Sciences

The Wolfe Center for Alumni, Parents and Friends

College of Sciences

College of Arts, Humanities and Social Sciences

College of Business

Physical Plant

College of Arts, Humanities and Social Sciences

The Honor Society of Phi Kappa Phi Chapter 310

The Honor Society of Phi Kappa Phi Chapter 310 has chosen to honor the top 5 percent of the freshman class as well as the top 5 percent of the Sophomore class. We congratulate them.

Freshmen

Olivia Carlton

Kerri Wagner

Nathan Osborn

Kaylee Furge

Paige Emnett

Serena Sammarone

Thomas Wolfe

Maci Crozier

Camaron Farrar

Ashley Allen

Kirsten Siefker

Hope Snider

Makenna Niese

Clayton Ansel

Emma Brinkman

Spencer Giesige

Caillie Barnett

Christopher Joyce

Sophomore

Jessica Whitener

Gabrielle Sons

Collin Frazier

Marcus Miller

Nicole Schuster

Eve Cramer

Chloe Eppley

Riley Iames

Brianne Greer

Elizabeth Sailer

Skylar Albers

Caitlin Craig

Jacob Bills

Emily Johnson

Ryan Gildow

Makayla Throop

Lauren Hartzell

Alexis Crotty

Luciana Pereyra Avila

Brianna Mobley

College Honors and Awards

College of Education Honors and Awards

9:00 – 10:10 a.m. – Old Main, Ritz

Outstanding Teacher Education Graduate Early Childhood

Presented By: Melissa Recker

Bailey Schroeder

Outstanding Teacher Education Graduate Intervention Specialist

Presented By: Susan Brooks

Keianna Sturgill

Outstanding Teacher Education Graduate Middle Childhood

Presented By: Dr. Allison Baer

Tom Mahas

Outstanding Teacher Education Graduate Adolescent/Young Adult

Presented By: Dr. Allison Baer

Garrett Michalkiewicz

Outstanding Teacher Education Graduate Multi-Age

Presented By: Dr. Allison Baer

Caylee Karg

Outstanding Master of Arts in Education Student Award

Presented By: Dr. Gwynne Rife

Tyler Carroll

DeBow and Catherine Freed Academic Schol- ars Award

Presented By: Dr. Julie McIntosh

Stephen Hayes

Kappa Delta Pi New Initiates

Presented By: Drs. Munger and Brasfield

Jacob Adams	Jonda Krantz
Bailey Bates	Alivia Olson
Stephanie Carr	Hannah Otley
Kelsey Clemens	Morgan Rose
Kristina Combs	Olivia Rydzewski
Aryana Gonzalez,	Nicole Schuster
Whitney Hittle	Lyndsey Seamon
Trystin Johns	Katelyn Weinandy

Kappa Delta Pi Graduating Seniors

Presented By: Drs. Munger and Brasfield

Cassie Boring	Olivia Mahowald
Kelsey Deivernois	Aubreeh Manns
Abbey Dempster	Katelyn Reynolds
Zarina Dillon	Kathryn Samuelson
Bryanna Floyd	Bailey Schroeder
Addison Henry	Keianna Sturgill
Ashley Hoy	

College of Health Professions Honors and Awards

9:00 – 10:10 a.m. – Davis, 2225

Outstanding Graduate in Traditional Occupational Therapy Program

Presented By: Dr. Mary Beth Dillon
Jacob Myers

Outstanding Graduate in Weekend Occupational Therapy Program

Presented By: Dr. Mary Beth Dillon
Erin Schwarz

Weekend Occupational Therapy Fieldwork Award

Presented By: Dr. Mary Beth Dillon
Ethan Webb

Traditional Program Occupational Therapy Fieldwork Award

Presented By: Dr. Mary Beth Dillon
Lauren Yacks

2019 Pi Theta Epsilon Inductees

<i>Traditional Program</i>	<i>Weekend College Program</i>
Moriah Christensen	Ashley DeStafano
Karli Johns	Erin Schwarz
Kate Miltko	Kaitlyn Sutton
Kara Schimmoeller	
Eleni Timothy	

Outstanding Student in Athletic Training Award

Presented By: Dr. Bart Welte
Jenna M. Stegmaier

Outstanding Undergraduate Student in Health and Human Performance

Presented By: Dr. Ed Nyman
Kegan Winkler

The John R. & Barbara F. Murray Award

Presented By: Richard Hopkins
Cory Heurman

Outstanding Physical Therapy Student Award

Presented By: Dr. Harvey Wallmann

<i>Traditional Program</i>	<i>PTA to DPT Bridge Program</i>
Ryan Queen	Jessica Pepper

Emerging Leader Award in Physical Therapy

Presented By: Dr. Harvey Wallmann

<i>Traditional Program</i>	<i>PTA to DPT Bridge Program</i>
Kenidi Ulm	Kyla Cruz

Most Valuable Peer Award in Physical Therapy

Presented By: Dr. Harvey Wallmann

<i>Traditional Program</i>	<i>PTA to DPT Bridge Program</i>
Ryan Queen	Kyla Cruz

Service Aware/Societal Impact Award

Presented By: Dr. Harvey Wallmann

<i>Traditional Program</i>	<i>PTA to DPT Bridge Program</i>
Madison Arnold	Andrea Agen

Eta Theta Chapter of Phi Alpha Honor Society

Presented By: Monica Scharp, President & Dr. Robin K Walters-Powell, Faculty Chapter Advisor

Jaclyn Kloepfer	Michaela Dewese
Luke Curl	Larissa N Herbert
Hannah Davis	Sianna Dickerson
Emanuel W Durden	

Senior Phi Alpha

Luke Curl	Jayita Basu Sarkar
Monica Scharp	Anna Money
Abbey Strausbaugh	Rebecca Kaser
Prezley Scarberry	McKenna Cole
Anne Rockwell	Matthew Allen
Samantha Koeberle	

College of Sciences Honors and Awards 9:00 – 10:10 a.m. – WTS

Outstanding Senior in Animal Science

Presented By: Dr. Brian Whitaker

Lynnsey Crouch

Outstanding Junior in Animal Science

Presented By: Dr. Brandon Forshey

Samantha Bartley

Outstanding Student in Chemistry

Presented By: Dr. Jeff Jenson

Emily Paul

Computer Science ACM Horizons Award

Presented By: Dr. Helen Schneider

Timotej Iliev

Outstanding Senior Majoring in Computer Science

Presented By: Dr. Mary Jo Geise

Salwa Al-Hajabed

Choose Ohio First Scholars – Computer Science

Presented By: Dr. Mary Jo Geise

Jared Dixon	Aaron Bame
Keaton Frick	Jacob Sanders
Cameron Strahley	Emily Huynh
Cannon Daniel	Jordan Howerton
Jordan Lewis	Andrew Bryson
Duncan Longberry	Seth Rothlisberger
Lillian Siefker	Deshea Pettiford

Applied Security & Analytics Graduate Student of the Year

Presented By: Dr. Mary Jo Geise

Cynthia Miller

Tim Barhite Memorial Award for Excellence in Biology

Presented By: Dr. Bethany Henderson-Dean

Kristen Huseman

The William J. Jutte Memorial Award of Excellence in Environmental, Safety and Occupational Health

Presented By: Dr. Tim Murphy

Julia Harris

Choose Ohio First Scholars – ESOH

Presented By: Dr. Tim Murphy

Zachary James Hiler	Sarah B Thompson
Lillian A Swails	Thomas P Vance
Samuel Shaun Thacker	Ryan Paul Wenzinger

E. Gordon Gillespie Excellence Award

Presented By: Dr. Tim Murphy

Evan Pitt

Outstanding Freshman Majoring in Mathematics

Presented By: Dr. Pamela Warton

James Harding
Nicholas Reibly

Mathematics Horizon Award

Presented By: Dr. Pamela Warton

Ashley Chiccarello

Outstanding Senior Majoring in Mathematics

Presented By: Dr. Pamela Warton

Camden Maddalone
Destiny DeWar

Equine Business Management Leadership Award

Presented By: Robin Koehler

Brenna Cole

Kristin L. Slater Outstanding Western Equestrian Student

Presented By: Mr. Art O'Brien

Bryant Fox

Allison Weber Outstanding English Equestrian Student

Presented By: Rusty Miller

RaeAnn Cassanos

DeBow and Catherine Freed Academic Scholars Award

Presented By: Dr. Jeffrey Frye

Lauren Blanchard

College of Business Honors and Awards

10:15 – 11:25 a.m. – Old Main, Ritz

Outstanding Student in Business

Presented By: Dr. Kirby Overton

Recipient: Alan Dale Kittle

Outstanding International Student in Business

Presented By: Dr. Louann Cummings

Recipient: Fuyao Meng

Outstanding Student in Marketing in Memory of Dr. Jones, First Chairman, Division of Business Administration

Presented By: Eric Stoller

Recipient: Theodore Samples

Outstanding Human Resource Management Student

Presented By: Dr. Scott Freehafer

Recipient: Erica Edwards

Outstanding BSBM Student Award

Presented By: Dr. Jaclyn Schalk

Recipient: Angela Wolfrum

College of Business ACBSP Undergraduate Leadership Award

Presented By: Brent Wickham

Recipient: Jenna Delarber

College of Business ACBSP Graduate Student Leadership Award

Presented By: Dr. Kirby Overton

Recipient: Dane McGibbon

Dana Scholars 2019

Presented By: Eugene A. Fernandez

Sydney A. Brown	Hannah Kieffer
Jenna L. Delarber	Stephen J. Markley
Parker D. Gdula	Drew D. Prater
Tyler D. Glander	Makenna L. Ricker
Laura J. Harper	Sullivan K. Sanders

IMA Accounting Honor Society

Presented by: Dr. Patricia Abels

2019-2020 Student Members

KayLee Schutt	Laura Harper
Austen Wood	Sydney Brown
Makenna Ricker	Fuyao Meng
Christopher Hogan	

Nu Beta Chapter of Delta Mu Delta International Honor Society in Business

Presented by: Dr. Patricia Abels and Dr. Scott Freehafer

2019-2020 Student Members

Hirva K. Bhatt	Vivian Lee
Shari L. Buis	Danielle Long
Anthony Carpenter	Fuyao Meng
Gloria Corona	Sarah Lynn Niese
Madelynn J. Greenlade	Alicia Dawn Scherf
Lillian Jeanette Kamphaus	

College of Arts, Humanities, and Social Sciences Honors and Awards 10:15 – 11:25 a.m. – WTS

Campus Leader Award

Presented By: Dr. Ron Tulley

Abigail Frye

Leader of Tomorrow Award

Presented By: Dr. Ron Tulley

Andrew Toon

Scholar of Leadership Award

Presented By: Dr. Ron Tulley

Olivia Wile

DeBow and Catherine Freed Academic Scholars Award

Presented by Dr. Ron Tulley

Emma Studer

Psychology Student of the Year

Presented By: Dr. Adam Larson

Emma Studer

2019-2020 Inductees into Lambda Pi Eta

Presented By: Dr. Kit Medjesky

Dylan Frazier

Karen George

Abigail Frye

Rowan Gnepper

Outstanding Student in Journalism

Presented By: Professor Amy Rogan

Olivia Wile

Outstanding Senior Communication Capstone Presentation

Presented By: Professor Amy Rogan

Leah Palm

Greenwood Ehr Award

Presented By: Dr. Kit Medjesky

Olivia Wile

India Miller

Dylan Frazier

G. G. Bruer Awards in Creative Writing

Presented By: Professor Dave Essinger

Poetry Award: Megan Berg

Prose Award: Tessa Jenkins

Honors in English

Presented By: Dr. Sarah Fedirka

Kelsey Baughman

Allen Lewis

Emily Dykes

Anneleise Ritzi

Abigail Frye

R. L. Gebhardt English Award

Presented By: Dr. Sarah Fedirka

Emma Smith

Robert Ewald English Award

Presented By: Dr. Judith Lanzendorfer

Kelli Haudenschild

Carlee McCluer

Annalisa Wager

Richard C. Gebhardt Award for Freshman Writing

Presented By: Dr. Judith Lanzendorfer

Amelia Enfinger

Riley Iames

Doug Hesse Award for Outstanding Master of Arts in Rhetoric and Writing Student

Presented By: Dr. Christine Tulley

Hannah Benefiel

Hannah Rau

Sigma Tau Delta Inductees

Presented By: Dr. Nicole Diederich

Kelsey Baughman

Anneleise Ritzi

Allen Lewis

Lyndsey Seamon

Lisa Martinez

Robert Terrill IV

McCayla Pitt

Outstanding Senior in Forensic Science Award

Presented By: Dr. Philip Lucas
Olivia Hatton

The Andrew C. Baldrige Memorial Criminal Justice Student of the Year Award

Presented By: Dr. Philip Lucas
Salman Hadi_M Allaili

Religious Studies Student of the Year

Presented By: Dr. Dale Brougher
Benjamin Batchelor

Philosophy Student of the Year

Presented By: Dr. Shawn Graves
Emily Teague

Outstanding Students in Foreign Languages

Presented By: Dr. Jennifer Fennema-Bloom
Deanna Durkos

Bridging Culture Award

Presented By: Dr. Jennifer Fennema-Bloom
Taylor Wall

Friends of Findlay

Presented By: Dr. Hiro Kawamura
Alexander Ciminillo
Rio Kadota

Outstanding Student in Broadcasting

Presented By: Mr. Andrew duFresne
Nicholas Balaj

Outstanding Senior in Theatre

Presented By: Professor Meriah Sage
Jonda Krontz

Outstanding Student in Graphic Design

Presented By: Professor Anne Beekman
Cody Watson

Excellent Work in Law and Liberal Arts

Presented By: Dr. Elizabeth F. Buchanan
Andrew Toon

Gender Studies Award

Presented By: Dr. Kathy Mason
Abigail Starcher

College of Pharmacy Honors and Awards 10:15 – 11:25 a.m. – Davis, 2225

CVS Health Foundation Standard Scholarship

Presented By: Dr. Debra Parker & Justin Koch

Oscar Freyre
Cole Smith
Victoria Ayoola

CVS Health Foundation Spanish Scholarship

Presented By: Dr. Debra Parker & Justin Koch

Oscar Freyre
Celina Lugo

Donald & Patricia Romans Stansloski Scholarship

Presented By: Dr. Debra Parker

Nicholas Reid
Lauren Fleser

College of Pharmacy Founding Dean Scholarship

Presented By: Dr. Debra Parker

Sarah Crisp
Grant Morgan

Ohio Pharmacists Association Award

Presented By: Dr. Suzanne Surowiec

Nicholas Reid

Pharmacy Summer Camp Scholarship

Presented By: Mrs. Cynthia Fitzpatrick

Freshman Award

Skylar P Benedict

Enthusiast Award

Jacob Hill

Alumni Award

Grant Morgan

Council of Ohio College of Pharmacy Leadership Award

Presented By: Dr. Timothy Burkart

Andrew Hepler

Council of Ohio College of Pharmacy Scholarship

Presented By: Dr. Timothy Burkart

Rachel Hartman

Pharmaceutical Sciences Research Award

Presented By: Dr. Arindam BasuSarkar

Laura Inbody

Richard and Patricia Dudley Research Award

Presented By: Dr. Arindam BasuSarkar

Laura Inbody

Teacher of the Year Award

Presented By: Dr. Debra Parker

Julie Oestreich

Pharmacy Practice Research Award

Presented By: Dr. Lori Ernsthausen

Andrew Murray
Katherine Howell
Katie Kovach

Introductory Pharmacy Practice Experience Preceptor of the Year Award

Presented By: Dr. Tonya Dauterman

Joshua Cain, Blanchard Valley Hospital

Advanced Pharmacy Practice Experience Preceptor of the Year Award

Presented By: Dr. Tonya Dauterman

Laura Schulz, St. Rita's Medical Center

College of Pharmacy Travel Awards

Presented By: Dr. Timothy Burkart

Stephanie Busick	Courtney Hollenbacher
Madison Donnelly	Rheanna Kies
Tecca Ringler	Jessica Cellar
Alexis DiMario	Celina Lugo
Jack Conrad	

Brad Shinn Award

Presented By: Dr. Timothy Burkart
Ryann Thomas
Nicole Babiak

Mylan Award

Presented By: Dr. Susan Lewis
Diana Chaban

Walgreens Diversity Scholarship

Presented By: Ryan Wagner & Dr. Susan Lewis
Cole Smith

Walgreens Multilingual Scholarship

Presented By: Ryan Wagner & Dr. Susan Lewis
Maria Milner

**De Bow & Catherine Freed Academic
Scholars Award**

Presented By: Dr. Debra Parker
Madison Donnelly

USPHS Service Excellence

Presented By: Dr. Debra Parker
Nicole Babiak

College Speakers



COLLEGE OF EDUCATION

Tonya Thorbahn, MAE

Tonya Thorbahn is an Intervention Specialist at Bigelow Hill Intermediate in Findlay City Schools. She has been teaching for 12 years, educating students with special needs in third, fourth and fifth grades. Thorbahn is passionate about student-centered learning and strives to help her students find their passion. Her students have raised money for local charities, connected with professional athletes, designed video games, and filmed their own cooking shows.

At Bigelow Hill Intermediate, Thorbahn is consistently a leader amongst her peers. She diligently secured funding and designed a makerspace for Bigelow Hill, created and advises First LEGO League and Wonder Workshop robotics teams, and executed a district-wide Cardboard Challenge. Because of the collaborative efforts between Thorbahn and her colleagues, Bigelow Hill is recognized as one of six STEAM schools in the state.

Thorbahn has been recognized as the 2020 District 1 State Board Teacher of the Year, a finalist for Ohio Teacher of the Year, and STEM Teacher of the Year for Findlay City Schools. Thorbahn is also an adjunct professor for the University of Findlay and serves on the Educational Advisory Council. Thorbahn holds a Bachelor of Science and Master of Arts in Education from the University of Findlay. Thorbahn also holds an additional master's degree from Western Governors University in learning and technology.



COLLEGE OF HEALTH PROFESSIONS

Gordon Estlack PT, MPT

Gordon Estlack is a physical therapist who is a board-certified clinical specialist in Orthopaedics and Geriatrics. He also is certified by the McKenzie Institute USA in Mechanical Diagnosis and Therapy for conditions of the spine. He is originally from Southington, Ohio. After receiving his associate degree as a physical therapist assistant from Kent State University, he furthered his education with a bachelor of science degree from Kent State University and his master of physical therapy degree from the University of Findlay. He is currently enrolled with A.T. Still University where he is seeking his clinical doctorate degree in physical therapy. He is employed by the Orthopaedic Institute of Ohio in Findlay and is a part-time faculty member of the University of Findlay.



COLLEGE OF SCIENCES

Todd Pees, MBA

Currently Director of Environmental Services for Valicor Environmental Solutions, LLC out of Middletown, OH. I have been with Valicor for 15 years and part of the Senior Management Team that supports the Sales and Operations across all regions of our company. Responsible for Valicor's ancillary services programs for Sustainability, which includes the largest Product Destruction & Soap Recycling Program in US, with facilities in Ohio and Missouri. After my undergrad and graduate degrees from the University of Findlay, I've spent 25 plus years in the Environmental Industry in numerous capacities. I've been fortunate to gain experience in the Emergency Response Industry, Environmental Consulting, and worked as Environmental Manager for large manufacturing operation.



COLLEGE OF BUSINESS

Justin Gladieux



COLLEGE OF ARTS, HUMANITIES, AND SOCIAL SCIENCES

Casey Heilman

Casey Heilman is the Community Outreach Coordinator for the Allen Soil and Water Conservation District in Lima, Ohio, where she is responsible for delivering educational presentations to local schools and the general public, completing contractual obligations with stormwater partners, and serving as the lead informational contact with media outlets. A graduate of UF (major in History, minors in Business, Finance, and Psychology), Casey has also served the Hancock Park District and Girl Scouts of Western Ohio. She is currently affiliated with the Jones Mansion in Findlay, MOMMC, ALFAM, and Sigma Kappa, presenting at conferences and living history events, as well as serving as a contributing author and guest editor to Homefront Herold.



COLLEGE OF PHARMACY

Dr. John Roby

Dr. John Roby is a 2015 graduate of the University of Findlay College of Pharmacy. John serves the profession of pharmacy in the community pharmacy and ambulatory care settings, getting his start as an intern in pharmacy school. He has been employee of Kroger Pharmacy for 12 years. During his time with Kroger, he has worked his way from staff pharmacist, to manager, to pharmacy practice coordinator in the Columbus area. He is the Vice President of the Ashley Roby Foundation, which services families and children in hospice and palliative care programs. John is an active member of the Ohio Pharmacists Association. He lives in Plain City, Ohio with his wife, two children, and two dogs, squeezing in golfing when he can.

Oral Presentations

1-1:20 p.m.

DAVIS 181

Future Educators Preparing Tomorrow's Workforce Today

Keianna Sturgill, Lydia Sparks, Hailey Priest, Chioke Bradley, Zarina Dillon

Sponsor: Susan Brooks

Imagine teaching high schoolers how to do a job at 7:45 am, or at any time for that matter. Sounds awful, right? Actually, job coaching became an inspirational opportunity for us and our students. Learn how we grew from this experience and see how disabilities are not limitations.

DAVIS 102

Acting Scenes from *The Shape of Things*

Cody Watson, Eliza Brisbin, Austin Stevens, Andrew Peatee

Sponsor: Meriah Sage

The first and last scenes from *The Shape of Things* written by Neil LaBute. A study of characters, script analysis, acting and different portrayals of the same characters by different people.

SEMINAR, CBSL 250

Creating a Business Website. Ex: SGE Performance Horses

Grant Goetcheus

Sponsor: Diana Montague

Creating a site for business may seem complicated. However, once there is a base understanding of the terminology and common practices, it becomes clear. This presentation will walk people through this information and leave them with a basic understanding of how to build a website or talk with a professional.

DAVIS 1121

Drug Conversion Using Fungal Extracts

Jordan Williams, Paige Hoyt

Sponsor: Michael Edelbrock, Rahul Khupse

The use of fungi to produce novel drugs effective in medical treatment is well documented. The premise is that fungi have unique enzymatic activity and are able to produce novel metabolites. Therefore, our rationale is that if fungi are given specific substrates and biological catalysts, then secondary metabolites may result.

CHARNES, CBSL 249

Children in Poverty and Effects of Mentorship

Anna Money

Sponsor: Robin Walters-Powell

The effects of poverty can be very detrimental to children. This study focuses on mentorship and the protective factors involved. The researcher will use qualitative data through interviews to find the correlation between mentorship protective factors on at-risk youth.

SEMINAR, CBSL 222

The Sports Coach: Artist or Scientist?

Andrew Smyth

Sponsor: Marie Loudon-Hanes, Nathan Tice

Leonardo da Vinci was the original Renaissance Man. This presentation evaluates whether sports coaches are the modern-day equivalents, as they draw from the arts and sciences to improve their athletes and teams, in order to give them the best chance of success.

BEALL, CBSL 220

Inter-generational Interactions & Creative Thinking

Alexis Caroline

Sponsor: Meredith Pitt

Inter-generational interactions aid in the fight against an ageist society and in increasing longevity in the geriatric population. This presentation aims to host a session of inter-generational interaction and creative thinking to come up with solutions that may result in adaptive equipment to aid adults as they continue to age.

WHITSON, CBSL 232

Electronic Medical Record Software Design for Occupational Therapists

Salwa Al-Hajabed, Adam Li, Garrett Brown, Daniel George

Sponsor: Jordan Ringenberg

Due to the high cost of Electronic Medical Record (EMR) software, University of Findlay occupational therapy students were performing their patient evaluations on paper. The purpose of our project was to design a website that would be comparable to what students would use when performing evaluations throughout their career.

DAVIS 188

Standards-Based Grading

*Emma McMaster, Lindsey Klausung, Nick Reibly
Sponsor: Julie McIntosh*

We are giving an in-depth look at standards-based grading, explaining what it is and what it looks like in K-12 schools. We will share the results of interviews with people who have experienced this method firsthand and will be providing the perspectives of those who have used the SBG method.

OSTRANDER, CBSL 221

Creativity and Mental Illness: Is there a Connection?

*Simone Green
Sponsor: Marie Loudon-Hanes, Nathan Tice*

The purpose of this presentation is to discuss the potential connection between creativity and mental illness. Art therapy has become a common, non-medicated form of treatment for mental disorders. Are famous paintings such as the Mona Lisa, created by Leonardo da Vinci, actually a creation of self-taught art therapy?

GUPTA, CBSL 237

COMM110-Principles of Speech Spring Speak-Off Competition

Sponsor: Kit Medjesky

The top Fact-Checking the News speeches from all sections of COMM110 have been selected, and those speakers have been invited to present their work at the SSC. This friendly competition shows off the hard work and impressive speaking skills of UF students across all colleges.

DAVIS 186

Perceptions of Time on Campus

*Sadia Aurna
Sponsor: Amanda Gensler*

The purpose of this talk is to analyze the survey data from campus, which looks at both teacher and student perceptions of time based on their cultural perspective and how it affects them. This is an attempt to create awareness of this issue.

SEMINAR, CBSL 248

Transportation Accommodations for Elderly with Mobility and Visual Impairments

*Jessica Weeks
Sponsor: Nicole Diederich*

In May 2019, I participated in the London Scholars Program and experienced England's culture. I completed a research project on how the public transportation system was made accessible for older adults. The main focus was on mobility and visual accommodations within the tube stations and double decker buses.

DAVIS 1129

Origins of the Perivitelline Space in Pig Oocytes

*Kimberly Sprungl, Skyla Reynolds
Sponsor: Brian Whitaker*

Increasing perivitelline space thickness decreases polyspermic penetration during in vitro fertilization in pigs. However, there is conflicting evidence as to what synthesizes that perivitelline space. This study will examine the source of the perivitelline synthesis through inhibition of the gap junctions between the oocyte and its surrounding cumulus cells.

1:30-1:50 p.m.

DAVIS 1121

Impact of Patient Counselling on Quality of Life in Stroke Patients at a Tertiary Care Hospital in South India

*Swathi Uppalapati, Satheesh S. Gottipati, Manideepika Raavi,
Priyanka Srungarapati, Anugna K
Sponsor: Chandra Sekar*

Our study found significant improvement in quality of life parameters in intervention group to that of control group mainly in the frequency of visits, medication adherence, knowledge regarding disease, knowledge regarding medications, re-occurrence of stroke and adherence to regular monitoring of blood pressure and blood glucose levels at home.

Oral Presentations (Continued)

CHARNES, CBSL 249

Role Strain in Caregivers: Exploration of Effective Services and Supports During End-Of-Life Care

Monica Scharp

Sponsor: Robin Walters-Powell

The intent of this research study is to explore caregiving strain that occurs during end of life care, and the ways that available hospice supports, and services mitigate the impact on the caregiver.

DAVIS 102

Shifting Perspective: A Discussion on Directing

Abigail Starcher

Sponsor: Meriah Sage

A discussion about the director's process and how directing can be a pivotal experience for an actor. This presentation discusses a directed scene from *I and You* by Lauren Gunderson and how the process enlightened me as a young theatre student here at The University of Findlay.

BEALL, CBSL 220

The Ethics of Food Insecurity on College Campuses

Emily Teague

Sponsor: Shawn Graves

This paper presents an argument for the moral obligation that colleges and universities have to address the related needs of their students who are experiencing food insecurity. I will make this argument by applying relevant justice-oriented moral theories and then considering possible objections and practical implications.

SEMINAR, CBSL 222

A Museum's Harmony: Art and Science of Exhibit Staging

Dominique Ysquierdo

Sponsor: Marie Loudon-Hanes, Nathan Tice

A museum can be the perfect place to see both art and science working in harmony with one another. This presentation takes a dive into the work of exhibit staging, which is the process of developing an exhibition—from an idea to a physical, three-dimensional installation.

WHITSON, CBSL 232

College Sports Finder Website

Kyle Minard, Dillon Lawrence, Jared Dixon, Tucker Stocker

Sponsor: Jordan Ringenberg

College Sports Finder was conceptualized and designed with the goal of centralizing a repository of sport events in Northwest Ohio. Categories that can be filtered by include Sport, Date, and Distance from User or Address. After extensive research into algorithms and APIs, a cohesive and user-friendly site was created to host the data. The website was designed to be a simple map and calendar with filtered sports to be displayed.

SEMINAR, CBSL 248

“Building the Narrative of Your Average College Student”

Abigail Frye

Sponsor: Nicole Diederich, Sarah Fedirka

Storytelling is an essential part of learning and socializing, making it crucial for the University of Findlay to educate students on its importance. This project uses specific examples from collegiate experience to express the connection between storytelling and the growth of students.

SEMINAR, CBSL 250

Sports Anchor – Demo Reel

Kimberly Donah

Sponsor: Diana Montague

Demo reel. Most people know what that word means, but not everyone knows what goes on behind closed doors to make it all go off without a hitch. I will be going into detail about what I did to make the 3-5 minute demo reel the way you viewed it today. I will also be talking about what producers would like to see, and what they view in correlation of how I put my reel together.

OSTRANDER, CBSL 221

The Process of Art Conservation and the Controversy Surrounding It

Avery Shorto

Sponsor: Marie Loudon-Hanes, Nathan Tice

Art Conservation is necessary to preserve art and restore it to a semblance of its original look. However, the restoration process can often lead to the loss of its originality. This presentation explores how artwork is restored and why certain museums refuse authentication of their famous pieces.

DAVIS 188

How CHIP Improves Reading Within the Community

Ellen Wood, Lydia Sparks, Abbey Dempster
Sponsor: Allison Baer

The Clubhouse Individualized Program (CHIP) is a program sponsored by the Clubhouse reading program in the College of Education. The program is beneficial to both the tutors and the first through ninth grade students from the community.

DAVIS 181

Adverse Childhood Experiences (ACEs): Knowledge of Trauma and Application to Teaching

Katherine Hone, Alivia Olson, Kayla Siebenaller
Sponsor: Kerry Teeple

While attending the OCTEO teaching conference, CoE preservice teachers and professors heard from a keynote speaker Kristin Sours about Adverse Childhood Experiences (ACEs). After the conference and further research, students gained a greater understanding of ACEs and the application in their future classroom.

GUPTA, CBSL 237

COMM110-Principles of Speech Spring Speak-Off Competition

Sponsor: Kit Medjesky

The top Fact-Checking the News speeches from all sections of COMM110 have been selected, and those speakers have been invited to present their work at the SSC. This friendly competition shows off the hard work and impressive speaking skills of UF students across all colleges.

DAVIS 186

Understanding the Implications of International Students' Cultural Dimensions on Acculturative Stress

Maha Azzazi
Sponsor: Jennifer Fennema-Bloom

The purpose of this quantitative study is to investigate the relationship between acculturative stress levels in international students' populations and their cultural dimensions according to their country of origin. Forty-seven international students from twenty-three countries attending U.S universities shared their experiences through taking a survey that measured their acculturative stress levels.

DAVIS 1129

Creating an Aging Model in Oocytes Using Trichostatin A

Haley Arena
Sponsor: Brian Whitaker

An aged oocyte is one not fertilized during the optimal time after ovulation, potentially having diminished fertilization and embryonic development success. The objective was to test Trichostatin A's efficiency in simulating the effects of aging in an in vitro pig oocyte model. Results indicate this model is a valid option.

2:00-2:20 p.m.

DAVIS 181

How to Become a Trauma Invested Teacher

Stephanie Carr, Martha Foltz, Noah Widman
Sponsor: Kerry Teeple, Mary Heather Munger

Trauma is described as a deeply distressing experience that adversely affects an individual's ability to cope. Many children have difficulties accepting, understanding, and coping with these arduous situations on their own. With the appropriate knowledge, educators can support students who are enduring the unpleasant, convoluted repercussions that trauma produces.

OSTRANDER, CBSL 221

The Role and Evolution of Masks in Yoruba Culture

Avery Shorlo
Sponsor: Marie Loudon-Hanes

This research will focus on the role masks play in Yoruba culture, and the ceremonies that they are used in. Spiritual beliefs are prominent in the way masks look, and that has changed because of colonization and the introduction of new religion.

GUPTA, CBSL 237

Art and Community Development: Roles of Art in Community Image Construction

Haruna Oda
Sponsor: Hiroaki Kawamura

Art is one of the human acts, and many communities use art events to develop a positive image about themselves. The city of Findlay has various art activities as well. This presentation will share the findings from the ongoing investigation on the impact of art on community image.

Oral Presentations (Continued)

SEMINAR, CBSL 222

The Interface of Art and Science as it Pertains to Agriculture

Khalil Jallaq

Sponsor: Nathan Tice, Marie Loudon-Hanes

In recent years the agriculture industry has become more and more influenced by science and seems to have lost its artistic aspect. This presentation aims to prove that although influenced by both, agriculture isn't solely an art or science, but instead a combination of the two.

DAVIS 102

Reflections of a Teaching Artist: Tri the Arts Camp – A Camp for Students with Special Needs

Jonda Krantz

Sponsor: Meriah Sage

After three summers as a teaching artist at Tri the Arts Camp, it's time to reflect on the experience! Come listen and learn about Tri the Arts Camp, drama therapy, lessons the presenter learned throughout the process, and where she wants to go next as a result of the experience.

SEMINAR, CBSL 248

Riding & Writing: A Pursuit for Undergraduate Research in Western Equestrian Program

Anneleise Ritzi

Sponsor: Sarah Fedirka

The University of Findlay offers a Western Equestrian Studies program. Some may consider this a vocational degree; this program has an academic component, which is frequently overlooked. This project argues for the importance of integrating undergraduate research within the field of Western Equestrian studies by proposing an academic journal.

BEALL, CBSL 220

Are We Safe from Recession?

AJ Kittle, Luke Stuffle, Parker Gdula

Sponsor: Jeremy Cripps

Keeping tabs on the economy is an essential process for any business as they update data in their strategic plan. This presentation considers the measures which history indicates are the key factors in determining when to expect the next recession.

DAVIS 1129

Reduction of the Plastic Waste Generated in The Refinery Dining Area

Julia Harris, Sadia Aurna, Jalin Marston, Adam Naayers

Sponsor: Yanting Guo

Waste reduction is a very important part of a persevered, clean environment; also keeps The University of Findlay clean and is a cost saving tactic. This study looks at The Refinery in the College of Business building to determine better alternatives to reduce plastic usage in the dining areas.

DAVIS 186

London Scholars Study Abroad

Sarah Miles

Sponsor: Eileen Rucki

Interested in studying abroad but don't want to go for a whole semester? Come learn about the 3-week London Scholars Program. Learn about what kind of projects you can do, life in the UK, and cultural experiences & adventures you could have in the UK.

SEMINAR, CBSL 250

Dealing with Change After the Water Recedes: How Major Flooding Has Impacted Findlay Housing

Dylan Frazier

Sponsor: Diana Montague

The flooding that Findlay has experienced in the last 13 years has had permanent effects on the community. This multi-modal, journalistic capstone project explores how housing, insurance practices, and flood zoning have been impacted by multiple floods in the area.

DAVIS 1121

Intervention of a Clinical Pharmacist in Identifying the Antihypertensive Efficacy and Incidence of Tachycardia in Hypertensive Patients Using Calcium Channel Blockers in A Tertiary Care Hospital in India.

Sai Aravind Dangeti, Satheesh S Gottipati, Deepthi P, Bala Bhavani S, Naga Sri Haritha P

Sponsor: Chandra Sekar

This study has demonstrated that while amlodipine has better anti-hypertensive efficacy compared to Cilnidipine, increased cases of reflex tachycardia was noticed in patients who used Amlodipine than in patients who used Cilnidipine.

WHITSON, CBSL 232

Inventory Tracking Software for the Findlay Media Network (FMN)

Ryan Hellman, Nick Finley, Cameron Strahley

Sponsor: Jordan Ringenberg

In need of an updated system, software was developed for the Findlay Media Network (FMN) to better complement their existing inventory check-in and check-out workflow. The software we developed as part of CSCI 480 Software Engineering makes adding, editing, and removing equipment records seamless for administrators while giving them easy access to manage how equipment is lent to students.

DAVIS 188

Weaving the Future: Designing Didactic Audiovisual Material Based on Traditional Weaving Techniques to Improve Fine Motor Skills on Children in the First and Second Grades.

Mina Rivera, Belen Lopez, Marola Campuzano, Mafer Castro, Isabela Woelke

Sponsor: Christopher Sippel

Weaving the Future is a project born out of the necessity to rescue traditional weaving techniques and apply them to help to develop fine motor skills in young children. The process of creating the curriculum for the classroom and then teaching it provides a variety of lessons for educational systems hoping to implement more hands-on activities in the hopes of countering the negative effects of technology.

CHARNES, CBSL 249

Breaking the Binary: A Look into Finding Queer Healthcare

Matthew Allen

Sponsor: Robin Walters-Powell

Queer people deal with discrimination and may face challenges in living with their queer identity on a day to day basis. Research into stigma queer people face shows that healthcare in society is not excluded in this discrimination. This may cause people to be hesitant to find a healthcare provider.

2:30-2:50 p.m.

DAVIS 186

A Once in a Lifetime Experience: Studying Abroad in Japan

Kaytlyn Creed, Sofia Belladonna, Amber Voegele

Sponsor: Eileen Rucki

In May 2019, selected students participated in a study abroad opportunity in Hokkaido, Japan through Rakuno Gakuen University Veterinary School. These students will share the process leading up to their journey, including learning the culture and language. They will also share their incredible 3-week experience within Japan itself, including seeing a new perspective to veterinary medicine.

DAVIS 1129

UF Ranch Horse Buckle Series

Morgan Kaufmann

Sponsor: Robin Koehler

Horse shows are essential to the tradition and continued growth of the horse industry. This project showcases how a group of student leaders developed, marketed, and executed a successful three-part Ranch Horse Buckle Series. This year-long project provided the hands-on experience of applying business skills to the equine industry.

DAVIS 188

Oilers Serving Abroad

Stephanie Carr, Chrysta Blechschmid, Gabi Lamb, Traci Langenderfer, Paige Steyer, April Leshner

Sponsor: Chris Sippel, Chrystal Weitz

Oilers Serving Abroad is a student-led group established in 2013 that serves in the Dominican Republic and Ecuador. OSA's mission is to provide opportunities for Oilers of diverse disciplines to serve our global community, learn about culture, establish relationships, and enrich our lives.

SEMINAR, CBSL 250

What It's Like Working as a TV News Reporter

Olivia Wile

Sponsor: Diana Montague

TV news: we see the anchors and reporters on the screen, but we never see what goes on behind it. As a part-time producer for Spectrum News and an intern for WLIO in Lima, my project will give you a backstage look on getting a job in TV.

Oral Presentations (Continued)

DAVIS 181

Positive and Negative Stress

Brianna Mobley, Katelyn Weinandy, Morgan Rose

Sponsor: Mary Heather Munger

Positive and negative stress are how we describe events that will help shape a child into the adult they will become. Positive stressors are small events that help children adapt to stress while negative stress results from events that are detrimental to the child. This presentation will provide definitions, examples, and effects of both kinds of stress, as well as implications for educational settings.

DAVIS 1121

When to Spin Again

Ashlee Shields

Sponsor: Aaron Blodgett

This presentation will explore the question of when to spin or stay as the first person to play The Big Wheel on The Price is Right. An explanation of the math behind it will be discussed with variations on the problem.

WHITSON, CBSL 232

Computer Vision and Image Recognition Program to Mass Edit Images for E-commerce Website

Justin Walton, Austin Marczak, Javian Martin

Sponsor: Jordan Ringenberg

A local lacrosse apparel business wants a way for customers to visualize lacrosse pockets based on thousands of possible customizable combinations. Utilizing an open source Computer Vision library, we have created a model of a lacrosse pocket with each thread being recolored based on intended color schemes from our client. We have processed over 96,000 images and stored them on an API server to be requested by the E-commerce website when users go through the lacrosse pocket color picker.

SEMINAR, CBSL 248

Beyond Basic: A Journey into Self

Shilah Johnston

Sponsor: Sarah Fedirka

Beyond Basic: A Journey into Self is a project that looks to create a narrative that not only tells of figuring out where they stand when faced with a new reality, but through the process of research for and the writing of the story leads to self-discovery as a writer.

CHARNES, CBSL 249

Substance Use Disorder and Recovery through Adjunct Therapies

Samantha Koeberle

Sponsor: Robin Walters-Powell

Adjunct therapies influence individuals entering recovery from Substance Use Disorder. The basis includes activities and therapies that can be used alongside behavioral therapy. Using adjunct therapies with behavioral therapy assists to improve effectiveness of the therapy and assists the individual to stay in recovery for an extended period of time.

GUPTA, CBSL 237

Rural Communities in Japan: Challenges, Revitalization Strategies, and Future

Garrett Brown, Valerie Jacksack, Amy Evaniuk

Sponsor: Hiroaki Kawamura

In the summer of 2019, three students went to Fukui, Hokkaido, and Saitama prefectures in Japan to learn about the ways rural communities are attempting to combat depopulation. This was a project supported by a grant from the ASIANetwork. This presentation will share the findings from this research project.

SEMINAR, CBSL 222

Spectroscopic Analysis of Renaissance Paintings

Olivia Organiscak

Sponsor: Nathan Tice, Marie Loudon-Hanes

Spectroscopic analysis is utilized frequently to provide insight into the history of fifteenth and sixteenth century artworks, such as Leonardo da Vinci's Mona Lisa, and how they may have evolved through time. This presentation will focus upon how these spectroscopic analyses are utilized when determining the construction and authenticity of Renaissance artworks.

OSTRANDER, CBSL 221

The Fake Dome of Rome: Perspective and Top-Down Processing in Art

Madison Tesi

Sponsor: Marie Loudon-Hanes, Nathan Tice

For centuries, perspective has been used to add interest and depth to two-dimensional works. An example is St. Ignatius of Loyola Catholic Church in Rome, whose flat ceiling was painted to appear to be a grand dome. This presentation will focus upon how the application of this technique was accompanied by the utilization of top-down processing.

DAVIS 102

Stage Management and Leadership with Cabaret

Elaine Schaffter

Sponsor: Meriah Sage

Prompt book and production of the show. Visual aids including production prompt book and power point presentation.

3:00-3:20 p.m.

Ostrander, CBSL 221

The Role of Art in Politics: Propaganda Hidden Among the Canvas

Alexandria Webb

Sponsor: Marie Loudon-Hanes, Nathan Tice

Propaganda plays a huge part in political influence over a population. Art in propaganda has been used for thousands of years to convey this influence. This presentation will focus upon how art transfers these messages within propaganda and how that is key to understanding politics.

SEMINAR, CBSL 248

London Scholars Program Experience and Research

Devon Warnecke, Zarina Dillon, Lydia Sparks

Sponsor: Nicole Diederich

Last May, students participated in the London Scholars Program. Listen to three students discuss their preparations and experiences of traveling abroad, including how each had to live like a "Londoner" while conducting a research project. Our presentation consists of three students from different colleges coming together to share their study abroad research experiences.

SEMINAR, CBSL 222

The Art of Self-Acceptance

Lauren Keyser

Sponsor: Nathan Tice, Marie Loudon-Hanes

It is widely known that Leonardo da Vinci accepted his differences, and thus his work thrived. After a dramatic lifestyle change, Leonardo learned to use his differences to his advantage, and successfully became one of the most well-known creative minds history has ever seen. This presentation explores the psychology of Leonardo da Vinci.

DAVIS 1129

An Equestrian Coaching and Teaching Internship Experience: The "Elevator" Analogy

Alexa Sendro

Sponsor: Robin Koehler

For equestrian coaches and riding instructors, it not only involves working with the rider, but also the horse. This presentation will highlight how equestrian students react to different coaching and teaching methods based on their own experience and level of riding.

GUPTA, CBSL 237

Social Business: An Alternative Strategy to Combat Against Poverty

Sadia Aurna

Sponsor: Hiroaki Kawamura

"Social business" is the concept developed by Muhammad Yunus (2009) as a new way to fight against poverty. This presentation examines the theories and practices of "social business" based on literature review. The presenter will also include data from her short-term internship in Bangladesh in December 2019-January 2020.

SEMINAR, CBSL 250

The University of Findlay Theatre Department Strategic Social Media Plan and Analysis

India Miller

Sponsor: Diana Montague

Theatre often gives voice to stories which may not otherwise be heard. Public relations professionals ensure those stories reach as many audience members as possible. This capstone presentation explores how to utilize the University of Findlay Theatre Department's social media platforms to more thoroughly engage followers.

DAVIS 181

"The Stuff Your Brain Needs" for Self-Regulation

Murphy Vance, Carlee McCluer, Aubreeh Manns

Sponsor: Mary Heather Munger

Learn 10 activities you can do to optimize brain health and increase your ability to self-regulate.

Oral Presentations (Continued)

CHARNES, CBSL 249

Problems and Solutions for the Homeless in Findlay, Ohio

Amber King

Sponsor: Robin Walters-Powell

This study focuses on all the key aspects as to why homelessness is such an issue in Findlay specifically and what pathways of solutions seem to assist in eradicating the situation and what ways have not in order to decrease homelessness and provide better assistance to those in need.

DAVIS 188

Habitat for Humanity: Here, There, and Everywhere

Olivia Hatton, Kayla Troyer, Larissa Herbert

Sponsor: Crystal Weitz

Three UF Habitat campus chapter student officers will share their experience with Habitat for Humanity at the local, national, and international levels.

DAVIS 186

Lions and Tigers and Cheetahs, Oh My! – Loop Abroad: South Africa

Kristi McDonald, Nicole Scarberry

Sponsor: Eileen Rucki

Loop Abroad is a study abroad organization that helps students who are pursuing a career with animals to gain incredible hands-on experience while getting to see the world. Two Loop Abroad alumnae will share their amazing experiences from two different programs: Veterinary Service and Zoo Medicine.

DAVIS 1121

Of Dice and Cards: An In-depth Look at the Development of a Board Game

Cole Smith, Kyra Znaczko, Jack Conrad

Sponsor: Aaron Blodgett, Steven Wild

Traditional games such as card games and board games have provided a great pass-time and have been around for multiple millennia. For this project we explore the different facets of game design and utilize popular game motifs to create an original game.

DAVIS 102

Effects of Zinc Chloride Supplementation During Ovarian Cortex Vitrification Prior to In Vitro Fertilization on Embryo Development in Pigs

Emma Hicks

Sponsor: Brian Whitaker

Ovarian tissue has an increased risk of damage during vitrification due to different water permeability levels and cell types. Zinc chloride supplementation in the equilibrium and vitrification solutions improves follicular integrity and antral follicle development post-thawing. Zinc chloride supplementation increases fertilization success but does not adversely affect early embryonic development.

Poster Presentations

POSTER: 1

Studying Abroad in London, England

Lauren Way, Katherine Thomas

Sponsor: Eileen Rucki

Studying abroad in London gave us the opportunity to meet new people, experience new cultures and travel further around Europe. We were able to learn more about our major and also about the city of London while studying at the university. This presentation will highlight our time in the UK and what it was like living in the largest city in England through pictures and stories.

POSTER: 2

Construction of Basic Building Blocks of any Digital System

Ashley Moser, Arash Mahmoudian

Sponsor: Heda Samimi

Students in their spare time, have developed hardware to emulate the NOT, AND, OR, NAND, NOR, and XOR logical operators. These operators can be used to complement the current teaching method of faculty covering the truth table in computer science programming classes as well as computer organization course.

POSTER: 3

Creation of ACM Student Chapter's Website

Hossein Mohkamkar, Samantha Sweet, Lillian Siefker, Ashley Chiccarello

Sponsor: Heda Samimi

The newly developed website offers an informative and in-depth view of the University of Findlay's ACM Student Chapter. The website offers opportunities for networking, mentoring and bonding over shared career interests. In addition, the website enriches University of Findlay's learning environment as well as communities outside of the school.

POSTER: 4

Minimizing the Programming Development Time of a Robotic Arm

Mahdi Khansari, Arash Mahmoudian

Sponsor: Heda Samimi

Programming the xArm robotic arm is a very time-consuming process. Two of the graduate students have developed software to assist the operator of the xArm robotic arm to minimize the amount of time that it takes to program the robotic arm by creating an action group.

POSTER: 5

Exploring Bright Spots Amongst Collegiate Student-Athletes

Michael Koldan, Rebekah Frampton, Allison Kasprzyk

Sponsor: Andrea Mata

The purpose of this study is to investigate whether a subgroup of mentally resilient collegiate student-athletes exists, and if so, explore the factors and behaviors that differentiate them compared to other collegiate student-athletes.

POSTER: 6

Exploration of Public Transportation in Hancock County

Nkoli Mungabo

Sponsor: Elkie Burnside

The purpose of the research project was to better understand public transportation in Hancock county and its importance to its residents. Doing so helped us explore ways in which it could be improved to better serve the members of these residents.

POSTER: 7

Ideal Temperatures to Improve Neurologic Outcomes with Targeted Temperature Management after Cardiac Arrest

Joseph Walsh

Sponsor: Jill Brown

Targeted temperature management has been proven to improve neurologic outcomes following out-of-hospital cardiac arrest. Current literature recommends a range from 32-36°C, however, lower temperatures increase the risk of complications. We found that a temperature of 36°C provides similar neurologic outcomes as lower temperatures but is associated with fewer complications.

POSTER: 8

Loop Abroad South Africa Program

Anne Pannent

Sponsor: Eileen Rucki

Loop Abroad's South African Pre-Veterinary trip gives students the chance to get hands-on experience with African wildlife such as cheetahs, lions, Servals, warthogs, caracals, and many more. Get the chance to learn from top exotic animal veterinarians and apply captive animal care techniques to study wild animal behaviors.

Poster Presentations (Continued)

POSTER: 9

Gyro vs Mouse: Using Fitts Law to Compare Controllers

Daniel George

Sponsor: Steven Wild, Laura Leventhal

The purpose of this study is to compare two different controllers, a gyroscope and a mouse, for navigating between targets on a computer screen. We compared the controllers using a Fitts Law game. Fitts Law robustly predicts behavior in target acquisition tasks and can be used to compare the behavior of input controllers. We created software that allows us to track the data needed to analyze a pointing device to see if it shows the Fitts phenomenon.

POSTER: 10

The Interactive Effects of Scenes and Actions During Mental Model Construction

Carrigan Milner, Bailey Rader, Dalton Shevlin, Megan Berg

Sponsor: Adam Larson

Our study examined whether the scene background (e.g., Kitchen) can facilitate action categorization (e.g., Cooking). We presented actions on either a scene, a texture, or a gray background. Action categorization was either inhibited or facilitated by the scene background depending on the viewing time of the image.

POSTER: 11

Pursuing Cultural Humility

Victoria Ayoola, Manasa Akkineni, Sabrina Rivera, Hadil

Alhayek, Sadia Aurna

Sponsor: Crystal Weitz

This program was funded as part of the Pursuing Cultural Humility grant from the Findlay-Hancock County Community Foundation. UF's Buford Center for Diversity and Service was awarded this grant. Students and community organization projects were put together in focus on furthering diversity outreach and understanding.

POSTER: 13

Under Pressure: Employing Kitchen Appliances for Bacterial Sterilization

Micayla Lautzenheiser

Sponsor: Robert Charvat

A pressure cooker was examined to determine its ability to sterilize various bacterial cultures. This could lead to alternative methods of laboratory sterilization.

POSTER: 14

Oilers Serving Abroad

Jenna Shipman, Conner Muhlenkamp, Alli Schlosser

Sponsor: Eileen Rucki

Come learn about our experience in the Dominican Republic. We will share our stories about experiencing a new culture, new people, and how we stepped outside of our comfort zones. We hope that other students will seek out serving abroad opportunities in the future.

POSTER: 15

Benefits of Caregiver Education for Chronic Traumatic Encephalopathy

Claire Ferrell

Sponsor: Meredith Pitt

This research addresses the need for caregiver support and education for those who are suffering from chronic traumatic encephalopathy. The literature will aid in the development of such a program to address the needs for these caregivers.

POSTER: 16

Healthcare Professionals Call For Increased Education on Herbal and Dietary Supplements

Kirsten Bell, Cassi Kuhn, Olivia Reiber

Sponsor: Julie Oestreich

To our knowledge, the extent of healthcare professionals' education on the topic of herbal and dietary supplements and the correlation of their comfort level of recommendation is unknown. To better understand these issues, we conducted a survey to gather responses from pharmacists, nurses, physicians, dieticians, and students of healthcare professions.

POSTER: 17

Exploring Factors that Contribute to the Lasting Recovery of Those Prosecuted for Drug Offenses

Prezley Scarberry

Sponsor: Robin Walters-Powell

The researcher will conduct a qualitative study with individuals who have continued their recovery journey after exiting the justice system for a drug related offense. The researcher predicts that the environment, social supports, and motivation for change resulted in their lasting recovery.

POSTER: 18

Microbial Species Richness Higher in Benthic Zones of Freshwater Bodies Compared to Limnetic Zones

Brittany Menzer, Kylie Miller
Sponsor: Benjamin Dolan

With data collection through the National Ecological Observatory Network (NEON), an evaluation was completed to determine the difference in microbial species richness, with respect to taxonomic domain, across benthic and limnetic zones of various freshwater bodies within the northwestern hemisphere.

POSTER: 19

Avon Lake, Ohio: How Age Friendly Is My Community?

Brittany Menzer
Sponsor: Meredith Pitt

Comparative analysis of the city of Avon Lake, Ohio to determine if it provides resources, policies, and services to support and enable older individuals, as well as provide them with security, maintain or improve their health, and allow them to fully participate as a member of society.

POSTER: 20

Galion, Ohio: How Age Friendly Is My Community?

Zachary Deibig
Sponsor: Meredith Pitt

The growing elderly population is leading towards a rising number of age friendly communities. This presentation is to see whether a small town in the middle of Ohio can be an Age Friendly Community.

POSTER: 21

Vanlue, Ohio: How Age Friendly Is My Community?

Jaclyn Kloepfer
Sponsor: Meredith Pitt

The aging population is growing and so is the need for Age-Friendly communities. My presentation is centered on my hometown of Vanlue, Ohio to show how Age-Friendly the community is and what the steps are when services are not available.

POSTER: 22

Troy, Ohio: How Age Friendly Is My Community?

Madelyn Taylor
Sponsor: Meredith Pitt

There's a rising concern for communities to take action in the matter of making their community a place for people of the elder age to call home. In this study I will be looking at my own community (Troy, OH) and what qualifies it to be an age friendly community.

POSTER: 23

Arlington, Ohio: How Age Friendly Is My Community?

Austin Rettig
Sponsor: Meredith Pitt

Baby Boomers are now becoming a majority of the population, with needs that the younger smaller communities will have to get creative to help them overcome. Communities need to become aware of this growing aging population. This presentation is to inform problems they may face in everyday life.

POSTER: 24

Tecumseh, Michigan: How Age Friendly Is My Community?

Kaitlyn Simpson
Sponsor: Meredith Pitt

Age-friendly communities are a vital aspect of successful aging. The purpose of this comparative analysis research study was to determine if Tecumseh, Michigan meets certain requirements that would qualify the town as having age-friendly aspects therefore making it an ideal place for older adults to live in.

POSTER: 25

Botkins, Ohio: How Age Friendly Is My Community?

Chad Bergman
Sponsor: Meredith Pitt

Age friendliness in communities is vital to our society and in my own community of Botkins, Ohio is the start of it all. My presentation will be assessing the age friendliness in my own hometown to decide what I might need to do to help it to become age friendly.

Poster Presentations (Continued)

POSTER: 26

Rawson, Ohio: How Age Friendly Is My Community?

Emily Phillips

Sponsor: Meredith Pitt

The idea of age-friendly communities is becoming a more ethical issue as the aging population continues to grow and specific services are not always available. To combat this issue, I will analyze my community of Rawson, Ohio to determine if it is age-friendly or not.

POSTER: 27

Kalida, Ohio: How Age Friendly Is My Community?

Samantha Langhals

Sponsor: Meredith Pitt

Age Friendly Communities are important for understanding how the older population is growing and to learn ways to accommodate for their needs. This poster will look at the village of Kalida and analyze the pros and cons of how it could be an Age Friendly Community.

POSTER: 28

Dola/Dunkirk, Ohio: How Age Friendly Is My Community?

Holly Wilson

Sponsor: Meredith Pitt

While the elderly population is staying involved in society, our communities need to adapt so that they are safe and reliable living environments for everyone. This study will determine if the villages of Dunkirk and Dola Ohio fit the age friendly standards.

POSTER: 29

Payne, Ohio: How Age Friendly Is My Community?

Brady Stabler

Sponsor: Meredith Pitt

With the expected rapid growth of the elderly population, current healthcare systems will likely need assistance in the form of age-friendly communities to meet the needs of older adults. The purpose of this comparative analysis was to evaluate if my hometown fits the criteria to be considered an age-friendly community.

POSTER: 30

Bonney Lake, Washington: How Age Friendly Is My Community?

Ryker Penner

Sponsor: Meredith Pitt

Having the proper housing, outdoor spaces, transportation, social environment, community support or health and wellness services are important guidelines of determining age friendliness of a community. In this presentation my goal is to show whether my hometown of Bonney Lake is an age friendly community.

POSTER: 31

Findlay, Ohio: How Age Friendly Is My Community?

Amy Arras

Sponsor: Meredith Pitt

Age-friendly communities are becoming essential with a rise in the elderly population. In order to provide a holistic approach in my hometown, the elderly must have accessibility to many options in their cities. These options must include access to transportation, medical care, and to be actively involved in their community.

POSTER: 32

Findlay, Ohio: How Age Friendly Is My Community?

Shaelyn McNamara

Sponsor: Meredith Pitt

As the population of older adults is steadily increasing, there needs to be more accessibility for older adults. While people age, there are many challenges that go along with it. Adults over the age of 65 need age friendly activities.

POSTER: 33

Arlington, Ohio: How Age Friendly Is My Community?

Alexa Line

Sponsor: Meredith Pitt

Age-friendly communities are needed more today than ever before. This presentation will evaluate Arlington, Ohio on how accessible the community is to those over the age of 65.

POSTER: 34

Upper Sandusky, Ohio: How Age Friendly Is My Community?

Chad Mostoller

Sponsor: Meredith Pitt

What makes a community age-friendly? The purpose of this comparative analysis is to evaluate my hometown of Upper Sandusky, Ohio specifically focusing on components consistent among age-friendly communities. Furthermore, this analysis examines demographic information specific to my hometown and offers clarity on particular findings that accommodate the aging population.

POSTER: 35

Defiance, Ohio: How Age Friendly Is My Community?

Kelsey Gerken

Sponsor: Meredith Pitt

An age friendly community allows communities to promote older adult's physical, mental, and social well-being. This presentation will take these qualifications into question and will decipher just how age friendly Defiance, Ohio is and the ways that the city can become better developed to cater to older adults needs.

POSTER: 36

Geneva, New York: How Age Friendly Is My Community?

Sierra Shoemaker

Sponsor: Meredith Pitt

Creating communities that are supportive for the large and growing older population is important to meet the needs of the population. It's important that communities evaluate themselves in order to address these needs. In this comparative analysis, I will discuss the relative age-friendliness of the town of Geneva, New York.

POSTER: 37

Columbus, Ohio: How Age Friendly Is My Community?

Madison Tesi

Sponsor: Meredith Pitt

Age-friendly communities are those that provide features such as housing, outdoor areas, transportation, social opportunities, community support, and health services to its citizens. The degree of age-friendliness of Columbus, Ohio will be evaluated in this comparative analysis and discussed using the criteria described above.

POSTER: 38

Encinitas, California: How Age Friendly Is My Community?

MaryCate Addy

Sponsor: Meredith Pitt

People are continuing to live longer which means that the communities they are living in are going to have to identify changes that would make it age friendly. The purpose of this study was to examine the age friendliness of our community, specifically Encinitas, California.

POSTER: 39

Lima, Ohio: How Age Friendly Is My Community?

Keeley Smith

Sponsor: Meredith Pitt

The goal of this presentation is to educate the reviewers on what an "age-friendly" community is and why it is important. In evaluating my own home-town of Lima, Ohio, I will discuss the aspects that can be improved upon to make it an "age-friendly" community.

POSTER: 40

Tiffin, Ohio: How Age Friendly Is My Community?

Sydney Berlekamp

Sponsor: Meredith Pitt

By 2030, the United States Baby Boomer generation will be over the age of sixty-five. The knowledge and understanding of adequate housing, outdoor space, transportation, health services, social and community support of the aging population is crucial for future healthcare professionals. This comparative analysis investigates age friendliness in Tiffin, OH.

POSTER: 41

Mineral Ridge, Ohio: How Age Friendly Is My Community?

Alexis Caroline

Sponsor: Meredith Pitt

The growing geriatric population is a pressing issue around the world. The United States' geriatric population is expected to be 83.7 million by 2050, nearly double from 43.1 million in 2012. This analysis evaluates aspects within the homes, community, and environment available to the geriatric population in Mineral Ridge, Ohio.

Poster Presentations (Continued)

POSTER: 42

Effects of Visual Augmentation on Neuromuscular Function in Post-ACLR Patients Performing Single-leg Drop Landing

Benjamin Lucas, Kylee Martini, Tabitha Rogan
Sponsor: *Alyssa Matejka, Edward Nyman*

This study explores the relationship between post-ACLR patients and their cognitive availability after surgery during functional movements. Athletes need to be able to make split-second decisions under pressure. Making decisions while in motion causes a disruption in vision. This study uses TRAZER and MOCAP systems to analyze drop landing movements.

POSTER: 43

Design and Synthesis of Chalcone Derivatives as Anti-Cancer Compounds

Michelle Boysel, Jillian Banky, Madalyn Jahnke
Sponsor: *Rahul Khupse*

Chalcones have ideal properties for targeting cancer cells. To enhance the anticancer effect of these molecules we conducted synthetic chemistry modifications by adding methoxy groups on the aromatic ring of the structure. From there we purified and characterized the compound.

POSTER: 44

Facilitation of Bacterial Conjugation and Horizontal Gene Transfer of Antibiotic Resistance Genes through Filter Feeding in Aquatic Environments

Katie Eriksen, Catherine Minehan, Sofia Belladonna, Veronica Lehtinen, Cole Condon
Sponsor: *Bethany Henderson-Dean*

Filter feeders are novel facilitators in the production and dissemination of waterborne, multidrug resistant bacteria by increasing the feasibility of horizontal gene transfer (HGT). This study assessed role of filtration in *Pomacea bridgesii* and *Lumbriculus variegatus* organisms regarding transfer of plasmid based antibiotic resistance genes between *Escherichia coli* strains.

POSTER: 46

Reducing the Plastic Waste Generated in The Refinery Dining Area

Gabbi McCracken, James Wimer, Mikahla Conrad
Sponsor: *Yanting Guo*

Waste reduction is a very important part of a persevered, clean environment; also keeps the University of Findlay clean and is a cost saving tactic. This study looks at The Refinery in the College of Business building to determine better alternatives to reduce plastic usage in the dining areas.

POSTER: 47

The Effect of Wearable mHealth on Patient Outcomes

Alysia Fennig, Isis Stead
Sponsor: *Sandra Earle*

The potential for mHealth wearables to improve the health of patients is explored by looking at the possible correlation between mHealth wearables and patient outcomes.

POSTER: 48

Impact of Twelve Step Meetings in Sobriety of Chemically Dependent Individuals

Diane Ikome
Sponsor: *Debra Parker, Chris Hart*

Twelve steps programs (e.g. Alcoholics Anonymous, Narcotics Anonymous) are self-maintained support groups that provide a course of action for recovery in chemically dependent individuals. This study aimed to gain insight on the impact these meetings have had on their ability to maintain their sobriety.

POSTER: 49

Trends of Returned Medications Between Two Ohio Community Pharmacies

Jack Conrad, Lakota Beavers
Sponsor: *M. Chandra Sekar*

Medication non-adherence is a pertinent issue for many healthcare professionals. The purpose of this study is to examine a collection of prescriptions that were not picked up to get a better picture of what are some of the trends and possible solutions for prescription abandonment and medication non-adherence.

POSTER: 50

Initial Characterization of Cytotoxic Metabolites of Fungal Extract 606

Madison Bower, Isabel Tobin, Elizabeth Csukker, Michael McAllister

Sponsor: Michael Edelbrock

An unidentified metabolite in fungal extract DMW606 is lethal to HeLa cancer cells. This work employs different extraction solvents and cytotoxicity as an endpoint to better characterize the unknown compound. Ultimately, the findings of this project will assist in determining the cytotoxic compound produced by the fungus DMW606.

POSTER: 51

Air Crash Analysis of Top Airlines in the US

Rahul Shrestha

Sponsor: Laura Leventhal

This project uses various known factors to predict the most probable causes behind aircraft accidents. The results can help airlines and flyers judge the safety of the flight.

POSTER: 52

Comparison of State PRN Groups

Kendra Suder

Sponsor: Lori Ernsthansen

A PRN, or Pharmacists Recovery Network, is a volunteer-based group that provides support to pharmacists and/or other professionals who are chemically dependent. The purpose of this study is to investigate the similarities and differences in PRN groups in terms of their funding, structure, services provided, and composition.

POSTER: 53

Synthesis of Chalcone Compounds for the Treatment of Prostate Cancer Tumors

Alexis DiMario, Jacob Reyes, Sarah Kepple, Celina Lugo

Sponsor: Rahul Khupse

The synthesis of chalcones was achieved through the Claisen Condensation reaction. Thin layer chromatography helped isolate the compound and with the utilization of NMR the chemical structure was confirmed. In this assay, the chalcones were designed to target prostate cancer.

POSTER: 54

Evaluating the Implementation of the 2018 CHEST Guidelines in Veteran Patients Treated With Anticoagulation Therapy for Atrial Fibrillation

Lorin Wise, Joanna Duda

Sponsor: Laura Perry, Suzanne Surowiec

Our study reviews the implementation of the HAS-BLED and CHA2DS2-VASc score recommendations in the 2018 CHEST guidelines on Antithrombotic Therapy for Atrial Fibrillation at the Louis Stokes VA in Cleveland. The scores were calculated retrospectively in 91 patients taking apixaban twice daily for atrial fibrillation for at least one year.

POSTER: 55

Spinal Muscular Atrophy: What We Know

Timothy Ohlemacher

Sponsor: Brian Cole

This project is a brief overview of the genetic disease spinal muscular atrophy, including the first two FDA approved disease modifying treatments for the disease.

POSTER: 56

Effect of 6 Weeks of Maximal Strength Training on Distance Running Performance

Joseph Lauck

Sponsor: Stephanie Born

Experienced distance runners' main form of training is endurance training. This research aims to prove that experienced distance runners can increase their running economy and overall athletic performance as influenced by maximal strength training of the anterior and posterior musculature chain of the lower body in 6 weeks.

POSTER: 57

Pharmacogenomic Testing in an Ambulatory Care Clinic

Rheanna Kies, Jessica Cellar

Sponsor: Jason Guy, Julie Oestreich

In this study, DNA was collected by buccal swab from participants in an ambulatory care clinic. These samples underwent pharmacogenomic testing for various genes that are important for drug response. Comparing the results to the most commonly used medications will help determine the potential benefits of offering pharmacogenomic testing.

Poster Presentations (Continued)

POSTER: 58

Survey of Herpes Simplex Virus Type I and II on a Northwest Ohio College Campus

Mikaela Hickey

Sponsor: Steven Aranyosi

Little research has been done in Northwest Ohio to map out the prevalence of sexually transmitted infections on college campuses. STI's can have an immense impact on a person's quality and longevity of life, therefore it is critical to know information pertaining to these diseases in a person's demographic area.

POSTER: 59

Student Knowledge and Perception on Benzodiazepines and their Risk Factors for Alzheimer's Disease

Mikaela Hickey

Sponsor: Steven Aranyosi

Recent studies have proven long-term use of benzodiazepines (anti-anxiety, anti-convulsant, and hypnotic medications) can lead to the development of Alzheimer's disease. As the number of individuals prescribed these medications increases, it is imperative to determine if this long-term effect is common knowledge to all individuals taking these medications.

POSTER: 60

Vitamin D Supplementation for Prevention of Rickets and Multiple Fractures in Pediatrics

Nicole Salloum

Sponsor: Christi Gierhart

This research explores whether any guidelines are available to supplement pediatric patients with vitamin D to prevent deficiency, leading to risk of multiple fractures or developing rickets. Numerous studies were analyzed to assess efficacy of vitamin D regimen to treat deficiency and observing any preventative supplementation measures to follow.

POSTER: 61

Survey of Ohio Pharmacists' Perception of a PharmD/MBA Degree

Matthew Gecks, Brandon Rhoades, Devin Rogers, Devon Taylor

Sponsor: Akasha Edwards

Surveys were emailed to all Ohio licensed Pharmacists inquiring about the potential use of an additional MBA degree. This study was conducted to assess curriculum needs and career trends of business concepts in pharmacy. A dual degree may not be useful to many pharmacists but has value in niche professions.

POSTER: 62

A Study on Parents' Perceptions of the Effectiveness of Art with Therapeutic Intentions at Awakening Minds Art

Abbey Strausbaugh

Sponsor: Robin Walters-Powell

This qualitative research, conducted at Awakening Minds Art, explores parents' perceptions of the effectiveness of therapeutic art in skill development as well as emotional and behavioral regulation in their child(ren). Surveys, focus groups, and interviews were utilized in the completion of this research.

POSTER: 63

Most Profound Factors Influencing Quality of Life of Geriatric Population in Hancock County

Jayita Basu Sarkar

Sponsor: Robin Walters-Powell

The research will determine whether health, environment, and poverty have the most profound effect on the well-being of the elderly population in an Assisted Living Facility. The researcher will be collecting data through interviews or surveys to determine whether or not these factors do impact the quality of life.

POSTER: 64

Exploring the Impact of a Cancer Diagnosis on the Family

Luke Curl

Sponsor: Robin Walters-Powell

Cancer is among the world's top leading cause of death around the world. Statistically, the number will rise through the years. This qualitative research, will engage individuals that are impacted with a cancer diagnosis. The ultimate objective will be to help provide information and resources to the patients or family members that will be beneficial to them.

POSTER: 65

Culturally Competent Approaches with Immigrant Clients

Anne Rockwell

Sponsor: Robin Walters-Powell

This study will explore the research of evidence based practice where research interviews with experience, ethics, and client preferences regarding culture is used to guide and inform the delivery of treatment services with immigrant populations. When providing services to battered immigrant women, confronting inequality regarding cultural humility.

POSTER: 66

Mental Health Care in the Elderly Population

Rebecca Kaser

Sponsor: Robin Walters-Powell

This research will consider the need for a multidisciplinary approach to the diagnosis and management of mental health conditions in the elderly population who are living in nursing homes and assisted living facilities.

POSTER: 67

The Impact of Mental Health Services on Foster Care Children

Margaret Jones

Sponsor: Robin Walters-Powell

The presentation will focus on the main themes of understanding foster care, behavioral and mental health issues. Through exploring information in case files, surveying caseworkers and foster parents, the researcher will determine if there is a relationship that exists between these factors.

POSTER: 68

Trauma Informed Schools in Findlay Area Middle Schools

McKenna Flores

Sponsor: Robin Walters-Powell

The researcher will be conducting a study about trauma informed care in schools. It is directed towards six middle schools in and around Findlay, Ohio. The researcher will use qualitative data by creating a six-question interview for the school's principal to discover how trauma-informed the middle schools are or not.

POSTER: 69

Prevention of Delirium in ICU and Long-Term Care Settings

Sarah Espinoza

Sponsor: Christina Gierhart

Delirium is a fluctuating disease of cognitive dysfunction leading to higher mortality rates and increased costs. Because old age is a risk factor, patients in long-term care (LTC) settings are most vulnerable. It is highly preventable in ICU settings, but there is lack of evidence supporting prevention strategies in LTC.

POSTER: 70

Influence of *Asimina triloba* on Seed Germination and Growth

Kristi McDonald

Sponsor: Benjamin Dolan

Interspecific competition among plants can involve allelopathy, or growth inhibition of one species due to chemicals released by another species. The understory tree *Asimina triloba*, or the pawpaw, has demonstrated characteristics of producing these secondary compounds that could account for growth inhibition of select plant seedlings underneath it.

POSTER: 71

Ohio Pharmacist Knowledge and Support of the Expanding Role of Pharmacy Technicians

Mikaela Hickey, Zachary Stoneburner, Maria Milner

Sponsor: Debra Parker

The primary objective of this study was to assess registered Ohio pharmacists regarding their knowledge of, and comfort level with, the national trend for expanding pharmacy technician roles. The secondary objective was to perform a subgroup analysis to identify any predictive demographics.

POSTER: 72

NFL Quarterbacks: A Statistical Analysis

Greg Donovan

Sponsor: Laura Leventhal

The focus for this project was to create a model that shows how the top NFL quarterbacks from the last 20 years have progressed statistically over their first 3-5 years. I also used that model to show where Baker Mayfield fell among his peers.

POSTER: 73

Investigate the Patterns and Outcomes of Recommendations Made by Pharmacists at the University of Findlay Telehealth Center

Nashat Khan, Glory Ngimaju

Sponsor: Chandra Sekar

The Telehealth center (THC) located at the University of Findlay provides health services like comprehensive medication reviews (CMRs), medication reconciliation (MedRecs) and therapeutic interventions program services (TIPS). These services are provided by student pharmacists under the supervision of pharmacists to remotely located patients through phone or video calls which leads to improved patient outcomes.

Poster Presentations (Continued)

POSTER: 74

Making UF More Sustainable Through the Reduction of Water, Carbon, and Nutrients.

Cooper Wall, Adam Naayers, Brian Benson, Hani Almusayid
Sponsor: *Yanting Guo*

This project surveys buildings on campus and identifies the inputs and outputs of water, carbon, and nutrients. From that data, we will find ways to reduce the amount of water, carbon, and nutrients on campus to make UF more sustainable.

POSTER: 75

Ohio Pharmacist Satisfaction

Rachel Hartman, Mary Ann Painter, Carmen Witsken, Sarah Crisp
Sponsor: *Sandra Earle*

Pharmacists complete a doctoral degree to dedicate their careers to serving patients. Most expect a career that will provide satisfaction and meaningful work. This project highlights such factors and their association with pharmacists' satisfaction; providing meaningful insight to students and professors preparing future pharmacists for their careers.

POSTER: 76

Leadership Development with Practical Application: A Comparison of Pharmacy Students and Pharmacists

Brody Norwood, Kevin Chester
Sponsor: *Julie Oestreich, Akesha Edwards*

This research examines the likelihood of pharmacy students to obtain a leadership position in the field of pharmacy upon graduation. Evaluation of how students can best develop their leadership skills to supplement training they received in college from extracurricular activities and college curriculum was also performed.

POSTER: 77

A Meta-Analysis of Health Outcomes with Different Dietary Approaches.

Kevin Reid
Sponsor: *Brian Cole*

Diets come in and out of favor, some stick around and others go. One thing that has stuck is obesity in the United States with nearly 40% of U.S. adults fitting this category. This research was conducted to analyze the efficacy of intermittent fasting and the ketogenic diet.

POSTER: 78

Survey of Medical Marijuana Education in Graduate Health Care Students at the University of Findlay

Kameron Early, Elijah Deskins, Oscar Freyre
Sponsor: *Chandra Sekar*

This study will investigate the knowledge base of the University of Findlay's health professional students on the topic of medicinal marijuana. Ohio legalized medicinal cannabis in 2016 with 21 qualifying indications. A starting point for this research is to evaluate the knowledge of relevant students on these 21 conditions.

POSTER: 79

Reducing Healthcare Stigma in Substance Use Disorder

Amanda Loyer
Sponsor: *Jill Brown*

Determining how stigma affects the care of substance use patients, and how it can improve the outcome of these patients is vital. Providing better education can help decrease the stigma that surrounds patients with substance use disorder to allow them to obtain the care they need.

POSTER: 80

The Effects of Variant Auditory Stimuli on Goat Kids' Harmonic Patterns from Birth to Weaning

Rachael Quandt, Thomas Burke, Samantha Bartley
Sponsor: *Brandon Forshey*

Research was conducted to determine if exposure to human voice during development affected the frequency of vocal formants in goat kids. Kids were exposed to various treatments: human recording, does, no human or doe vocalization. The results suggest frequencies lowered and various auditory exposures had no effect on formant patterns.

POSTER: 81

CRISPR-Cas9 as a Treatment for HIV

Taylor Peterson
Sponsor: *Sharon Gentry, Abigail Allen*

A literature review of the gene editing system, CRISPR-Cas9, as a treatment for HIV infected individuals.

POSTER: 82

Structural Changes to the Heart with Different Types of Exercise

Logan Leon

Sponsor: Jill Brown

This review examines the current research how different types of exercise can affect the heart, specifically remodeling of the heart in hopes to gain a better understanding of how sudden cardiac death can be prevented.

POSTER: 83

Sepsis Associated with Previous 90 Day Antibiotic Use

Rachel Kohls, Nicole Recker, Ryann Thomas, Lauren Chavarria

Sponsor: Timothy Burkart

The purpose of this research is to determine if there is a correlation with antibiotic use and subsequent sepsis development by looking at patients who have used antibiotics and developed sepsis within 90 days of an admission to Wood County Hospital in Bowling Green, OH.

POSTER: 84

Epidemiology of Neurological Disorders: A Prospective Observational Study of Risk Factor Assessment

Swathi Potlapalli

Sponsor: Chandra Sekar

The purpose of conducting this study is to assess the major risk factors for neurological disorders and their prevalence. Our goal is to find the pattern of risk factors of neurological ailments which is necessary for better upliftment of the neurological health of the affected population.

POSTER: 85

Clinical Pharmacist Intervention on Drug Related Problems in Epilepsy Patients

Sahaja Reddy Thumma

Sponsor: Chandra Sekar

The purpose of the study was to identify type and cause of Drug Related Problems (DRPs) in epileptic patients by clinical pharmacist following treatment review and provide appropriate resolution in a tertiary care hospital setting. This has a potential to improve patient health outcome and enhance patient quality of life.

POSTER: 86

Comparison of Hemodynamic Parameters and Patient Awareness When Using Thiopentone Versus Propofol During and After Induction of Anaesthesia in a Tertiary Care Hospital in India

Shaik Seshma Ithulla, Satheesh S. Gottipati, Nagavardhan Reddy E, Kranthi CH, Hari Priya P

Sponsor: Chandra Sekar

Anaesthetic drugs used in various surgical Procedures will result in alteration of the hemodynamic parameters and changes in the patient awareness levels. In this study, we found that induction by Propofol showed decreased Haemodynamics (Hypotension) when compared to the patients induced with Thiopental Sodium. The postoperative awareness was significantly low in Propofol induced patients than Thiopental sodium induced patients.

POSTER: 87

Assessment of Drug Compliance and Targeted Pharmacist Intervention in Acute Ischemic Stroke Patients

Varshitha Nakka, Satheesh Gottipati, Surekha P, Ajay Manukonda, Kumaravelu S

Sponsor: Chandra Sekar

Non-compliance to clinically prescribed regimen is the main reason for sub-optimal clinical outcomes. Interventions like patient education, follow-up interviews, reporting adverse drug reactions to physicians, counselling the patient on necessity of medication compliance, opting for a low-cost alternative by talking to care provider were useful in improving compliance.

POSTER: 88

A Comparative Study on Effect of Oral Hypoglycemic Agents on Serum Electrolytes in Type 2 Diabetes Mellitus

Poorna Sindhu Jampani, Satheesh Gottipati, Divya Bhargavi Lanka, Devi Priya J, Satyanand B

Sponsor: Chandra Sekar

In Type-2 Diabetes Mellitus patients, combination therapy of Metformin HCl and Glimepiride exhibited reduced electrolyte abnormalities when compared to monotherapy of Metformin HCl and Glimepiride.

Poster Presentations (Continued)

POSTER: 89

Lifestyle Modification Counseling Options for Young Adults at Risk for Carrying BRCA 1 or 2 Mutations

Abigail Joy

Sponsor: Brian Cole

Current risk-reducing methods for BRCA 1 or 2 carriers are not recommended until the age of 25. With many individuals now learning of their BRCA risk in adolescence, lifestyle modifications offer an active means for this population to begin reducing their lifetime risk of cancer.

POSTER: 90

Meditation vs. Metformin in the Management of Metabolic Syndrome

Macey Riese

Sponsor: Sharon Gentry

Metabolic Syndrome puts patients at an increased risk for cardiovascular disease, diabetes, stroke, and mortality. This research compared two adjunctive treatment strategies: pharmacologic therapy with metformin vs. psychological therapy with meditation, and the respective effectiveness in treatment of patients with Metabolic Syndrome.

POSTER: 91

The Correlation Between a Pharmacy Curriculum and Stress in Pharmacy Students

Sarah Niese, Lydia Chasteen

Sponsor: Lori Ernsthansen

Using a series of surveys throughout the course of the semester we had pharmacy students from different cohorts rate their stress levels. Using the data, we correlated the reported stress levels to different population sets, and then monitored the changes as the semester progressed.

POSTER: 92

How Does Reliance On Technology Affect Perceived Happiness?

Cynthia Miller

Sponsor: Laura Leventhal

What are the effects of opting for an email versus a face-to-face meeting? How do our feelings of connectedness change when we communicate virtually versus in-person methods? This project establishes a foundation for future research involving varying communication methods and how they can impact human emotional and psychological well-being.

POSTER: 93

Formation of Biodiesel and Preparation and Characterization of Ketal-Esters of Glycerol

Shushma KC

Sponsor: Nathan Tice

With the ever-increasing demand for energy harnessed from crude oil and its by products, for example gasoline and petroleum diesel, researchers across the world are shifting their focus on identifying alternative forms of fuel that are more environmentally friendly than the aforementioned crude oil. This project focuses upon the formation of biodiesel and bio-based fuel additives as an alternative to petroleum diesel.

POSTER: 94

Studying Abroad in Paris, France

Annika Wilson

Sponsor: Eileen Rucki

Studying abroad in Paris, France allows students' eyes to be opened to French culture, history, language. This presentation will emphasize personal experiences studying abroad while living life as the French do in Paris.

POSTER: 95

Environmental Factors and Addiction in Pharmacists

Elizabeth Claus, Vivian Lee

Sponsor: Christopher Hart, Susan Lewis

A survey study was conducted to evaluate drug addiction among pharmacists in relation to their environment. A survey assessing environmental factors was distributed to 5 Pharmacist Recovery Network (PRN) groups. Our results indicate an increase in awareness surrounding addiction in pharmacists and that there are many environmental factors that can influence an individual's addiction but no single definitive factor was identified.

POSTER: 96

Antigenotoxic Effects of Epigallocatechin-3-Gallate (EGCG) on Bleomycin In Vitro Induced DNA Damage in Human Lymphocytes

Paige Hoffman, Elizabeth Claus

Sponsor: Alexander Vaglenov, Richard Dudley

This study depicts the protective role of EGCG, the main polyphenol present in green tea, in bleomycin-mediated DNA damage in human lymphocytes. Detected through cytokinesis-block micronucleus assay, it is suggested that EGCG dose-dependently inhibited binucleated cells with micronuclei in human lymphocytes. Future work will focus on clarifying the meaning of diet on the genotoxic effects of bleomycin, as well as prevention of DNA damage by EGCG.

POSTER: 97

The Seville Scholars' Program

Kayla Sell, Hannah Morris, Amy Arras, Taylor Verbsky
Sponsor: *Eileen Rucki*

A spectacular study abroad program in the beautiful city of Seville, Spain. Students are allowed the opportunity to immerse themselves in Spanish culture through the experiences of living with a host family, visiting cultural sites, eating local foods, and exploring the city.

POSTER: 98

The Effects of Space Travel on Health and Recommended Assessments for Space Flight Tourists

Sarah Hoffer
Sponsor: *Christina Gierhart*

Space tourism is being developed by multiple companies to give people the ability to experience space firsthand. Various effects on many body systems can occur that must be monitored to ensure the safety of travelers. Pertinent screenings and examinations are needed for the primary care setting to approve candidates.

POSTER: 99

Understanding LGBTQ+ Athletic Healthcare: Athletes, Athletic Trainers, and Their Perceptions

Evan Bader
Sponsor: *Fiona Hanks*

This research investigates the perceptions that NCAA Division II student-athletes from the University of Findlay have about athletic trainers that are a part of the LGBTQ+ community and how they compare to athletic trainers that are heterosexual.

POSTER: 100

Use of Cupping in the Treatment of a Proximal Hamstring Tear

Andrea Agen
Sponsor: *Scott Van Zant*

This case report describes the rehabilitation of a 41-year-old male that attended physical therapy for a proximal hamstring tear. Dry cupping techniques (stationary, massage, burping) were completed on the proximal hamstring for 5 sessions. The patient was discharged with no pain with daily activities and returned to functional activities.

POSTER: 101

Genistein Aglycone in the Prevention and Treatment of Osteoporosis in Peri- and Postmenopausal Women

Katharine Tjaden
Sponsor: *Sharon Gentry, Abigail Allen*

This presentation is a literature review of the potential of genistein aglycone to be used as a therapeutic agent in the prevention and treatment of osteoporosis in peri- and postmenopausal women. Safety, effectiveness, and pharmacokinetics are discussed.

POSTER: 102

Peppermint Tea vs Placebo for the Improvement of Memory and Focus in College Students

Sarah Shimek, Cole Smith
Sponsor: *Deborah Berlekamp*

Peppermint tea has many claims surrounding its homeopathic benefits including boosting the immune system, preventing motion sickness, improving memory and focus and more. We offered students from various majors a randomized cup of tea or water to test the claim that peppermint tea can potentially improve memory and focus.

POSTER: 103

Assessing the Use of Aspirin for Primary Prevention in Adults Over the Age of 70

Molly Hoyda, Kayla Ekers, Jameson Jacobs, John Kurth
Sponsor: *Suzie Surowiec, Laura Perry*

The 2019 ACC/AHA Guidelines on the Primary Prevention of Cardiovascular Disease state that aspirin is not recommended as primary prevention for adults over 70 years. A retrospective chart review was performed in a private practice in Northwest Ohio to evaluate aspirin use in patients over the age of 70.

POSTER: 104

Benefit of Early Introduction of Peanut Protein Foods for Highly-Sensitive Children

Rachael Zimmerman
Sponsor: *Sara Denning*

Peanut allergies have doubled within the past 10 years. The LEAP, LEAP-On, and EAT studies changed NIAID guidelines to introduce peanut protein to highly-sensitive infants between 4-6 months of age. Follow-up surveys resulted in some clinicians not following the guidelines, indicating more education is needed for parents and providers.

Poster Presentations (Continued)

POSTER: 105

Knee Meniscectomy Versus Collagen Meniscal Implantation (CMI)

Adam Homan

Sponsor: Richard Hopkins

The objective of this literature review is to determine if Collagen Meniscal Implantation should be performed more frequently than meniscectomies for the treatment of meniscal injury in order to prevent early onset osteoarthritis.

POSTER: 106

Is Romosozumab the Future Treatment of Osteoporosis in Postmenopausal Women?

Summer Seitz

Sponsor: Richard Hopkins

Romosozumab showed superiority in osteoanabolic effects compared to other first line treatment options for osteoporosis. However, its use is limited by the severity of potential side effects. Overall, romosozumab is an option for osteoporotic women at high risk for fracture who fail, or have contraindications to other first line therapies.

POSTER: 107

The Effect of Various Sports Drinks on Water Retention in Athletes

Elizabeth Smith, Evan Bader, Jenna Stegmaier

Sponsor: Bart Welte

The purpose of this study was to determine which sports drink provides the best hydration for athletes. Fluid retention and hydration status were looked at after drinking Gatorade, Powerade, Body Armor and water. Urine specific gravity was taken to determine the effects of each drink on the athlete's hydration status.

POSTER: 108

Loop Abroad: Thailand

Sarah Eschmeyer

Sponsor: Eileen Rucki

Summer 2019, I spent two weeks in Thailand where I was able to learn about and to experience their culture. The main purpose of this trip was to learn about the veterinary field and hone new skills.

POSTER: 109

Vaccine Perceptions Among College Students

Laurel Frasure, Ginger Cocca, Jaclyn Stancato

Sponsor: Lori Ernsthause

The purpose of this study was to examine vaccine perceptions among college students because vaccination rates have decreased in today's society leading to disease outbreaks. Results showed students in healthcare fields felt they did not know enough information about vaccines, thus, indicating a need for further evaluation of immunization education.

POSTER: 110

Botulinum Toxin and Sialorrhea Associated with Parkinson's Disease

Hannah Stefanik

Sponsor: Sara Denning

Sialorrhea or drooling is a notable symptom of Parkinson's disease. Unfortunately, current treatments are poorly tolerated or ineffective. A review was conducted to investigate the use of Botulinum toxin, a recent treatment alternative, in Parkinson's disease patients diagnosed with sialorrhea and to determine its overall effectiveness and side effect profile.

POSTER: 111

Phytocannabinoids in the Treatment of Acne Vulgaris

Samantha Tollerud

Sponsor: Sara Denning

Non-psychotropic phytocannabinoids derived from cannabis, such as cannabidiol and tetrahydrocannabivarin, may be utilized in the treatment of acne vulgaris. Cannabidiol exerts an "anti-acne triad" composed of lipostasis, anti-proliferation and anti-inflammation. These phytocannabinoids are promising for topical treatment of acne vulgaris and could be used in place of current treatment options.

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