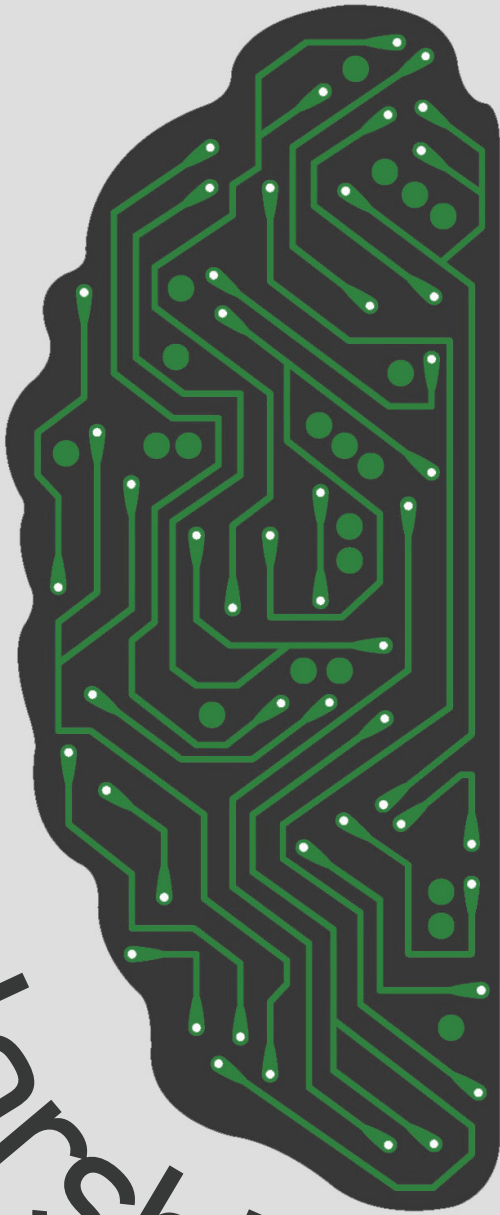


# SYMPOSIUM

for  
Scholarship



and  
Creativity



# Contents

<b>4</b>	Schedule of Events
<b>5</b>	University Awards Ceremony
<b>6</b>	College of Education Honors and Awards
<b>7</b>	College of Health Professions Honors and Awards
<b>8</b>	College of Sciences Honors and Awards
<b>9</b>	College of Business Honors and Awards
<b>I0</b>	College of Arts, Humanities, & Social Sciences Honors and Awards
<b>I2</b>	College of Pharmacy Honors and Awards
<b>I4</b>	College Speakers' Biographies
<b>I8</b>	Oral Presentations: 1:00 - 1:20 p.m.
<b>I9</b>	Oral Presentations: 1:30 - 1:50 p.m.
<b>2I</b>	Oral Presentations: 2:00 - 2:20 p.m.
<b>23</b>	Oral Presentations: 2:30 - 2:50 p.m.
<b>25</b>	Oral Presentations: 3:00 - 3:20 p.m.
<b>27</b>	Poster Presentations: 3:30 - 5:00 p.m.
<b>42</b>	Index
<b>46</b>	Special Thank You

# Schedule of Events

8:30 – 8:50 a.m.	<b>Welcome &amp; University Awards Ceremony</b> <i>Dr. Katherine Fell</i> <i>Dr. Darin E. Fields</i>	WTS
9:00 – 10:10 a.m.	<b>College of Education</b> <i>Dr. Julie McIntosh</i>	Old Main, Ritz
	<b>Alumni Speaker and Awards</b> <i>Ms. Tonya Thorbahn</i>	
9:00 – 10:10 a.m.	<b>College of Health Professions</b> <i>Dr. Richard States</i>	Davis, 2225
	<b>Alumni Speaker and Awards</b> <i>Mr. Gordon Estlack</i>	
9:00 – 10:10 a.m.	<b>College of Sciences</b> <i>Dr. Jeffrey Frye</i>	WTS
	<b>Alumni Speaker and Awards</b> <i>Mr. Todd Pees</i>	
10:15 – 11:25 a.m.	<b>College of Business</b> <i>Dr. Damon Osborne</i>	Old Main, Ritz
	<b>Alumni Speaker and Awards</b> <i>Mr. Justin Gladieux</i>	
10:15 – 11:25 a.m.	<b>College of Arts, Humanities, and Social Sciences</b> <i>Dr. Ronald Tulley</i>	WTS
	<b>Alumni Speaker and Awards</b> <i>Ms. Casey Heilman</i>	
10:15 – 11:25 a.m.	<b>College of Pharmacy</b> <i>Dr. Debra Parker</i>	Davis, 2225
	<b>Alumni Speaker and Awards</b> <i>Dr. John Roby</i>	
1:00 – 3:20 p.m.	<b>Oral Presentations</b>	Davis & CBSL
3:30 – 5:00 p.m.	<b>Poster Presentations</b>	Croy
3:30 – 5:20 p.m.	<b>Reception</b> <b>Food, Raffle &amp; Prizes</b>	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	Bailey Boyer – <i>Senior</i>	Kirsten King – <i>Senior</i>	Cole Smith – <i>Senior</i>
Kade Slagle	Alexis Caroline – <i>Senior</i>	Alexandria Morvai – <i>Senior</i>	Mercedes Snyder – <i>Graduate</i>
Kyra Znaczk	Ally Decker – <i>Senior</i>	Amanda Predki – <i>Senior</i>	Dana Song – <i>Graduate</i>
	Brianna Essien – <i>Senior</i>	Emily Remark – <i>Senior</i>	Ashton VanDyke – <i>Graduate</i>
	Lauren Fleser – <i>Senior</i>	Tecca Ringler – <i>Graduate</i>	Jessica Weeks – <i>Senior</i>
	Alison Imbrock – <i>Senior</i>	Mykayla Ruffing – <i>Senior</i>	
	Megan Berg – <i>Junior</i>	Nicole Scarberry – <i>Senior</i>	
	Hirva Bhatt – <i>Graduate</i>		
	Katherine Jarvis – <i>Senior</i>		
	Matthew Kelly – <i>Senior</i>		

### **Current Members:**

## 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  
Cameron 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  
Brianna 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**

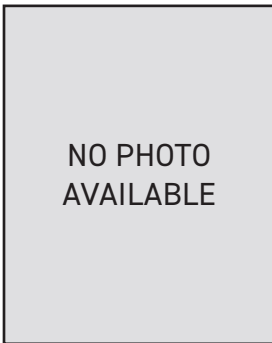
Gordon Estlack is a physical therapist who is a board-certified clinical specialist in Orthopaedics and Geriatrics. He also is certified by the McKenzie Institute USA in Mechanical Diagnosis and Therapy for conditions of the spine. He is originally from Southington, Ohio. After receiving his associate 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**

NO PHOTO  
AVAILABLE



## 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 Stuffel, 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?**

*Jaelyn 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.





# Index

## Oral Presentations

Al-Hajabed, Salwa	COS	1:00-1:20	WHITSON, CBSL 232	Krontz, Jonda	COLA	2:00-2:20	DAVIS 102
Allen, Matthew	COHP	2:00-2:20	CHARNES, CBSL 249	Lamb, Gabi	COHP	2:30-2:50	DAVIS 188
Arena, Haley	COS	1:30-1:50	DAVIS 1129	Langenderfer, Traci	COHP	2:30-2:50	DAVIS 188
Aurna, Sadia	COLA	1:00-1:20	DAVIS 186	Lawrence, Dillon	COS	1:30-1:50	WHITSON, CBSL 232
	COS	2:00-2:20	DAVIS 1129	Leshner, April	COHP	2:30-2:50	DAVIS 188
	COLA	3:00-3:20	GUPTA, CBSL 237	Li, Adam	COS	1:00-1:20	WHITSON, CBSL 232
Azzazi, Maha	COLA	1:30-1:50	DAVIS 186	Lopez, Belen	COLA	2:00-2:20	DAVIS 188
Belladonna, Sofia	COS	2:30-2:50	DAVIS 186	Manns, Aubreah	COE	3:00-3:20	DAVIS 181
Blechschnid, Chrysta	COHP	2:30-2:50	DAVIS 188	Marczak, Austin	COS	2:30-2:50	WHITSON, CBSL 232
Bradley, Chioke	COE	1:00-1:20	DAVIS 181	Marston, Jalin	COS	2:00-2:20	DAVIS 1129
Brisbin, Eliza	COLA	1:00-1:20	DAVIS 102	Martin, Javian	COS	2:30-2:50	WHITSON, CBSL 232
Brown, Garrett	COS	1:00-1:20	WHITSON, CBSL 232	McCluer, Carlee	COE	3:00-3:20	DAVIS 181
	COLA	2:30-2:50	GUPTA, CBSL 237	McDonald, Kristi	COS	3:00-3:20	DAVIS 186
Campuzano, Marola	COLA	2:00-2:20	DAVIS 188	McMaster, Emma	COE	1:00-1:20	DAVIS 188
Caroline, Alexis	COS	1:00-1:20	BEALL, CBSL 220	Medjesky, Kit	COLA	1:00-1:20	GUPTA, CBSL 237
Carr, Stephanie	COE	2:00-2:20	DAVIS 181			1:30-1:50	GUPTA, CBSL 237
	COE	2:30-2:50	DAVIS 188	Miles, Sarah	COHP	2:00-2:20	DAVIS 186
Castro, Mafer	COLA	2:00-2:20	DAVIS 188	Miller, India	COLA	3:00-3:20	SEMINAR, CBSL 250
Conrad, Jack	CPHM	3:00-3:20	DAVIS 1121	Minard, Kyle	COS	1:30-1:50	WHITSON, CBSL 232
Creed, Kaytlyn	COS	2:30-2:50	DAVIS 186	Mobley, Brianna	COE	2:30-2:50	DAVIS 181
Dangeti, Sai Aravind	CPHM	2:00-2:20	DAVIS 1121	Money, Anna	COHP	1:00-1:20	CHARNES, CBSL 249
Dempster, Abbey	COE	1:30-1:50	DAVIS 188	Naayers, Adam	COS	2:00-2:20	DAVIS 1129
Dillon, Zarina	COE	1:00-1:20	DAVIS 181	Oda, Haruna	COLA	2:00-2:20	GUPTA, CBSL 237
	COE	3:00-3:20	SEMINAR, CBSL 248	Olson, Alivia	COE	1:30-1:50	DAVIS 181
Dixon, Jared	COS	1:30-1:50	WHITSON, CBSL 232	Organiscak, Olivia	COS	2:30-2:50	SEMINAR, CBSL 222
Donah, Kimberly	COLA	1:30-1:50	SEMINAR, CBSL 250	P, Deepthi	CPHM	2:00-2:20	DAVIS 1121
Evaniuk, Amy	COLA	2:30-2:50	GUPTA, CBSL 237	P, Dr. Naga Sri Haritha	CPHM	2:00-2:20	DAVIS 1121
Finley, Nick	COS	2:00-2:20	WHITSON, CBSL 232	Peatee, Andrew	COHP	1:00-1:20	DAVIS 102
Foltz, Martha	COE	2:00-2:20	DAVIS 181	Priest, Hailey	COE	1:00-1:20	DAVIS 181
Frazier, Dylan	COLA	2:00-2:20	SEMINAR, CBSL 250	Raavi, Manideepika	CPHM	1:30-1:50	DAVIS 1121
Frye, Abigail	COLA	1:30-1:50	SEMINAR, CBSL 248	Reibly, Nick	COE	1:00-1:20	DAVIS 188
Gdula, Parker	COB	2:00-2:20	BEALL, CBSL 220	Reynolds, Skylar	COS	1:00-1:20	DAVIS 1129
George, Daniel	COS	1:00-1:20	WHITSON, CBSL 232	Ritzi, Anneleise	COLA	2:00-2:20	SEMINAR, CBSL 248
Goetcheus, Grant	COLA	1:00-1:20	SEMINAR, CBSL 250	Rivera, Mina	COLA	2:00-2:20	DAVIS 188
Gottipati, Satheesh S.	CPHM	1:30-1:50	DAVIS 1121	Rose, Morgan	COE	2:30-2:50	DAVIS 181
		2:00-2:20	DAVIS 1121	S, Bala Bhavani	CPHM	2:00-2:20	DAVIS 1121
Green, Simone	COB	1:00-1:20	OSTRANDER, CBSL 221	Scarberry, Nicole	COS	3:00-3:20	DAVIS 186
Harris, Julia	COS	2:00-2:20	DAVIS 1129	Schaffter, Elaine	COE	2:30-2:50	DAVIS 102
Hatton, Olivia	COLA	3:00-3:20	DAVIS 188	Scharp, Monica	COHP	1:30-1:50	CHARNES, CBSL 249
Hellman, Ryan	COS	2:00-2:20	WHITSON, CBSL 232	Sendro, Alexa	COS	3:00-3:20	DAVIS 1129
Herbert, Larissa	COLA	3:00-3:20	DAVIS 188	Shields, Ashlee	COS	2:30-2:50	DAVIS 1121
Hicks, Emma	COS	3:00-3:20	DAVIS 102	Shorto, Avery	COLA	1:30-1:50	OSTRANDER, CBSL 221
Hone, Katherine	COE	1:30-1:50	DAVIS 181		COLA	2:00-2:20	OSTRANDER, CBSL 221
Hoyt, Paige	COS	1:00-1:20	DAVIS 1121	Siebenaller, Kayla	COE	1:30-1:50	DAVIS 181
Jacksack, Valerie	COLA	2:30-2:50	GUPTA, CBSL 237	Smith, Cole	CPHM	3:00-3:20	DAVIS 1121
Jallaq, Khalil	COS	2:00-2:20	SEMINAR, CBSL 222	Smyth, Andrew	COLA	1:00-1:20	SEMINAR, CBSL 222
Johnston, Shilah	COE	2:30-2:50	SEMINAR, CBSL 248	Sparks, Lydia	COE	1:00-1:20	DAVIS 181
K, Anugna	CPHM	1:30-1:50	DAVIS 1121		COE	1:30-1:50	DAVIS 188
Kaufmann, Morgan	COS	2:30-2:50	DAVIS 1129		COE	3:00-3:20	SEMINAR, CBSL 248
Keyser, Lauren	COS	3:00-3:20	SEMINAR, CBSL 222	Sprungl, Kimberly	COS	1:00-1:20	DAVIS 1129
King, Amber	COHP	3:00-3:20	CHARNES, CBSL 249	Srungarapati, Priyanka	CPHM	1:30-1:50	DAVIS 1121
Kittle, AJ	COB	2:00-2:20	BEALL, CBSL 220	Starcher, Abigail	COLA	1:30-1:50	DAVIS 102
Klausing, Lindsey	COE	1:00-1:20	DAVIS 188	Stevens, Austin	COE	1:00-1:20	DAVIS 102
Koeberte, Samantha	COHP	2:30-2:50	CHARNES, CBSL 249	Steyer, Paige	COLA	2:30-2:50	DAVIS 188

Stocker, Tucker	COS	1:30-1:50	WHITSON, CBSL 232
Strahley, Cameron	COS	2:00-2:20	WHITSON, CBSL 232
Stuffel, Luke	COB	2:00-2:20	BEALL, CBSL 220
Sturgill, Keianna	COE	1:00-1:20	DAVIS 181
Teague, Emily	COLA	1:30-1:50	BEALL, CBSL 220
Tesi, Madison	COLA	2:30-2:50	OSTRANDER, CBSL 221
Troyer, Kayla	COS	3:00-3:20	DAVIS 188
Uppalapati, Swathi	CPHM	1:30-1:50	DAVIS 1121
Vance, Murphy	COE	3:00-3:20	DAVIS 181
Voegele, Amber	COS	2:30-2:50	DAVIS 186
Walton, Justin	COS	2:30-2:50	WHITSON, CBSL 232
Warnecke, Devon	COLA	3:00-3:20	SEMINAR, CBSL 248
Watson, Cody	COLA	1:00-1:20	DAVIS 102
Webb, Alexandria	CPHM	3:00-3:20	OSTRANDER, CBSL 221
Weeks, Jessica	COHP	1:00-1:20	SEMINAR, CBSL 248
Weinandy, Katelyn	COE	2:30-2:50	DAVIS 181
Widman, Noah	COE	2:00-2:20	DAVIS 181
Wile, Olivia	COLA	2:30-2:50	SEMINAR, CBSL 250
Williams, Jordan	CPHM	1:00-1:20	DAVIS 1121
Woelke, Isabela	COLA	2:00-2:20	DAVIS 188
Wood, Ellen	COE	1:30-1:50	DAVIS 188
Ysquierdo, Dominique	COLA	1:30-1:50	SEMINAR, CBSL 222
Znaczk, Kyra	COS	3:00-3:20	DAVIS 1121

## Index (Continued)

### Poster Presentations

Addy, MaryCate	COHP	Poster Number: 38	Frampton, Rebekah	COLA	Poster Number: 5
Agen, Andrea	COHP	Poster Number: 100	Frasure, Laurel	CPHM	Poster Number: 109
Akkineni, Manasa	CPHM	Poster Number: 11	Freyre, Oscar	COHP	Poster Number: 78
Alhayek, Hadil		Poster Number: 11	Gecks, Matthew	COHP	Poster Number: 61
Almusayid, Hani	COS	Poster Number: 74	George, Daniel	COS	Poster Number: 9
Arras, Amy	COS	Poster Number: 31	Gerken, Kelsey	COHP	Poster Number: 35
	COS	Poster Number: 97	Gottipati, Satheesh S.	CPHM	Poster Number: 86
Aurna, Sadia	COS	Poster Number: 11			Poster Number: 87
Ayoola, Victoria	CPHM	Poster Number: 11			Poster Number: 88
B, Satyanand	CPHM	Poster Number: 88	Hartman, Rachel	COHP	Poster Number: 75
Bader, Evan	COHP	Poster Number: 99	Hickey, Mikaela	COS	Poster Number: 58
		Poster Number: 107			Poster Number: 59
Banky, Jillian	CPHM	Poster Number: 43		CPHM	Poster Number: 71
Bartley, Samantha	COS	Poster Number: 80	Hoffer, Sarah	COHP	Poster Number: 98
Basu Sarkar, Jayita	COHP	Poster Number: 63	Hoffman, Paige	CPHM	Poster Number: 96
Beavers, Lakota	CPHM	Poster Number: 49	Homan, Adam	COHP	Poster Number: 105
Bell, Kirsten	CPHM	Poster Number: 16	Hoyda, Molly	CPHM	Poster Number: 103
Belladonna, Sofia	COS	Poster Number: 44	Ifthulla, Shaik Seshma	CPHM	Poster Number: 86
Benson, Brian	COS	Poster Number: 74	Ikome, Diane	CPHM	Poster Number: 48
Berg, Megan	COLA	Poster Number: 10	J, Devi Priya	CPHM	Poster Number: 88
Bergman, Chad	COS	Poster Number: 25	Jacobs, Jameson	CPHM	Poster Number: 103
Berlekamp, Sydney	COHP	Poster Number: 40	Jahnke, Madalyn		Poster Number: 43
Bower, Madison	COS	Poster Number: 50	Jampani, Poorna Sindhu	CPHM	Poster Number: 88
Boysel, Michelle	CPHM	Poster Number: 43	Jones, Margaret	COHP	Poster Number: 67
Burke, Thomas	COS	Poster Number: 80	Joy, Abigail	COHP	Poster Number: 89
Caroline, Alexis	COS	Poster Number: 41	Kaser, Rebecca	COHP	Poster Number: 66
Cellar, Jessica	CPHM	Poster Number: 57	Kasprzyk, Allison	COLA	Poster Number: 5
CH, Kranthi	CPHM	Poster Number: 86	KC, Shushma	COS	Poster Number: 93
Chasteen, Lydia	CPHM	Poster Number: 91	Kepple, Sarah	CPHM	Poster Number: 53
Chavarria, Lauren	CPHM	Poster Number: 83	Khan, Nashat	COHP	Poster Number: 73
Chester, Kevin	CPHM	Poster Number: 76	Khansari, Mahdi	COS	Poster Number: 4
Chiccarello, Ashley	COS	Poster Number: 3	Kies, Rheanna	CPHM	Poster Number: 57
Claus, Elizabeth	CPHM	Poster Number: 95	Kloepfer, Jaclyn	COHP	Poster Number: 21
		Poster Number: 96	Kohls, Rachel	CPHM	Poster Number: 83
Cocca, Ginger	CPHM	Poster Number: 109	Koldan, Michael	COLA	Poster Number: 5
Condon, Cole	COS	Poster Number: 44	Kuhn, Cassi	CPHM	Poster Number: 16
Conrad, Jack	CPHM	Poster Number: 49	Kurth, John	CPHM	Poster Number: 103
Conrad, Mikahla	COS	Poster Number: 46	Langhals, Samantha	COLA	Poster Number: 27
Crisp, Sarah	COHP	Poster Number: 75	Lanka, Divya Bhargavi	CPHM	Poster Number: 88
Csukker, Elizabeth	COS	Poster Number: 50	Lauck, Joseph	COS	Poster Number: 56
Curl, Luke	COHP	Poster Number: 64	Lautzenheiser, Micayla	COS	Poster Number: 13
Deibig, Zachary	COHP	Poster Number: 20	Lee, Vivian		Poster Number: 95
Deskins, Elijah	COHP	Poster Number: 78	Lehtinen, Veronica	COS	Poster Number: 44
DiMario, Alexis	CPHM	Poster Number: 53	Leon, Logan	COHP	Poster Number: 82
Donovan, Greg	COS	Poster Number: 72	Line, Alexa	COHP	Poster Number: 33
Duda, Joanna	CPHM	Poster Number: 54	Loyer, Amanda	COS	Poster Number: 79
E, Nagavardhan Reddy	CPHM	Poster Number: 86	Lucas, Benjamin	COHP	Poster Number: 42
Early, Kameron	COHP	Poster Number: 78	Lugo, Celina	CPHM	Poster Number: 53
Ekers, Kayla	CPHM	Poster Number: 103	Mahmoudian, Arash	COS	Poster Number: 2
Eriksen, Katie	COS	Poster Number: 44			Poster Number: 4
Eschmeyer, Sarah	COS	Poster Number: 108	Manukonda, Ajay	CPHM	Poster Number: 87
Espinoza, Sarah	COHP	Poster Number: 69	Martini, Kylee	COHP	Poster Number: 42
Fennig, Alysia	CPHM	Poster Number: 47	McAllister, Michael	COS	Poster Number: 50
Ferrell, Claire	COHP	Poster Number: 15	McCracken, Gabbi	COS	Poster Number: 46
Flores, McKenna	COHP	Poster Number: 68	McDonald, Kristi	COS	Poster Number: 70

McNamara, Shaelyn	COHP	Poster Number: 32	Smith, Elizabeth	COHP	Poster Number: 107
Menzer, Brittany	COS	Poster Number: 18	Smith, Keeley	COHP	Poster Number: 39
		Poster Number: 19	Stabler, Brady	COHP	Poster Number: 29
Miller, Cynthia	COS	Poster Number: 92	Stancato, Jaclyn	CPHM	Poster Number: 109
Miller, Kylie	COS	Poster Number: 18	Stead, Isis	CPHM	Poster Number: 47
Milner, Carrigan	COLA	Poster Number: 10	Stefanik, Hannah	COHP	Poster Number: 110
Milner, Maria	CPHM	Poster Number: 71	Stegmaier, Jenna	COHP	Poster Number: 107
Minehan, Catherine	COS	Poster Number: 44	Stoneburner, Zachary	CPHM	Poster Number: 71
Mohkamkar, Hossein	COS	Poster Number: 3	Strausbaugh, Abbey	COHP	Poster Number: 62
Morris, Hannah	COHP	Poster Number: 97	Suder, Kendra	CPHM	Poster Number: 52
Moser, Ashley	COS	Poster Number: 2	Sweet, Samantha	COS	Poster Number: 3
Mostoller, Chad	COHP	Poster Number: 34	Taylor, Devon	COHP	Poster Number: 61
Muhlenkamp, Conner	COHP	Poster Number: 14	Taylor, Madelyn	COHP	Poster Number: 22
Mungabo, Nkoli	COHP	Poster Number: 6	Tesi, Madison	COLA	Poster Number: 37
Naayers, Adam	COS	Poster Number: 74	Thomas, Katherine	COS	Poster Number: 1
Nakka, Varshitha	CPHM	Poster Number: 87	Thomas, Ryann	CPHM	Poster Number: 83
Ngimaju, Glory	COHP	Poster Number: 73	Thumma, Sahaja Reddy	CPHM	Poster Number: 85
Niese, Sarah	CPHM	Poster Number: 91	Tjaden, Katharine	COHP	Poster Number: 101
Norwood, Brody	CPHM	Poster Number: 76	Tobin, Isabel	COS	Poster Number: 50
Ohlemacher, Timothy	COHP	Poster Number: 55	Tollerud, Samantha	COHP	Poster Number: 111
P, Hari Priya	CPHM	Poster Number: 86	Verbsky, Taylor	COHP	Poster Number: 97
P, Surekha	CPHM	Poster Number: 87	Wall, Cooper	COS	Poster Number: 74
Painter, Mary Ann	COHP	Poster Number: 75	Walsh, Joseph	COHP	Poster Number: 7
Pannent, Anne	COS	Poster Number: 8	Way, Lauren	COS	Poster Number: 1
Penner, Ryker	COHP	Poster Number: 30	Wilson, Annika	COHP	Poster Number: 94
Petesron, Taylor	COHP	Poster Number: 81	Wilson, Holly	COHP	Poster Number: 28
Phillips, Emily	COHP	Poster Number: 26	Wimer, James	COS	Poster Number: 46
Potlapalli, Swathi	CPHM	Poster Number: 84	Wise, Lorin	CPHM	Poster Number: 54
Quandt, Rachael	COS	Poster Number: 80	Witsken, Carmen	COHP	Poster Number: 75
Rader, Bailey	COLA	Poster Number: 10	Zimmerman, Rachael	COHP	Poster Number: 104
Recker, Nicole	CPHM	Poster Number: 83			
Reiber, Olivia		Poster Number: 16			
Reid, Kevin	COHP	Poster Number: 77			
Rettig, Austin	COHP	Poster Number: 23			
Reyes, Jacob	CPHM	Poster Number: 53			
Rhoades, Brandon	COHP	Poster Number: 61			
Riese, Macey	COHP	Poster Number: 90			
Rivera, Sabrina	COS	Poster Number: 11			
Rockwell, Anne	COHP	Poster Number: 65			
Rogan, Tabitha	COHP	Poster Number: 42			
Rogers, Devin	COHP	Poster Number: 61			
S, Kumaravelu	CPHM	Poster Number: 87			
Salloum, Nicole	COHP	Poster Number: 60			
Scarberry, Prezley	COHP	Poster Number: 17			
Schlosser, Alli	COHP	Poster Number: 14			
Seitz, Summer	COHP	Poster Number: 106			
Sell, Kayla	COHP	Poster Number: 97			
Shevlin, Dalton	COS	Poster Number: 10			
Shimek, Sarah	CPHM	Poster Number: 102			
Shipman, Jenna	COHP	Poster Number: 14			
Shoemaker, Sierra	CPHM	Poster Number: 36			
Shrestha, Rahul	COS	Poster Number: 51			
Siefker, Lillian	COS	Poster Number: 3			
Simpson, Kaitlyn	COHP	Poster Number: 24			
Smith, Cole	CPHM	Poster Number: 102			

# Special Thank You

## **President's Leadership Society Donors**

President's Leadership Society donors provide unrestricted funds to support scholarship and research at the highest level at the University of Findlay.

**We wish to recognize the following as our top level President's Leadership Society donors.**

C. Richard and Linda D. Beckett  
Clifford C. and Maureen Cook  
Huntington Investment Company

Nickolas L. Reinhart  
Billy and Brenda Watterson

---

## **SSC Committee**

Darin Fields  
Allison Baer  
Kevin Collert  
Jeremy Cripps  
Dick Dukes  
Cynthia Hill  
Keaton Hughes  
Rebecca Quintus  
Beverly Roth  
Meriah Sage  
Renee Schafer  
Helen Schneider  
Mariah Schroeder  
Chandra Sekar  
Robin Walters-Powell  
Kelly Warner

## **SSC Distribution Team**

Liana Burk  
Kayla Canterbury  
Olivia Clune  
Calista Lewis

## **Call for Proposals Poster Designer**

Jordan Burwell

## **Promotional Designer**

Cody Watson



