2015 URSC Undergraduate Conference
Research, Scholarship, & Creative Works
April 24, 2015 12pm-3pm
Fifth Third Arena

Conference Booklet

University of Cincinnati
The University of Cincinnati’s 
Council of Undergraduate Research
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      Communication Sciences & Disorders
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**Oral Presentations**

**Room 329**

### Humanities

**Moderator: Michéle Vialet**

**Yaovi Ahadzi**, International Affairs  
Economic Partnership between the European Union and West Africa  
12:00-12:15

**Omar Osgood**, International Affairs  
Effects of Immigration on France and the United Kingdom  
12:15-12:30

**Alexis Byrd**, Political Science  
The Hospital as a Symptom of African Post-Colonial Dependency  
12:30-12:45

### Social Sciences

**Moderator: Pam Person**

**Alex McDonough**, Political Science  
The Future of IR & World Conflict: The United States vs. the People’s Republic of China  
Theories Pertaining to the Relationship between Economic Interdependence and Conflict in World Politics  
12:45-1:00

**Mark McDaniel**, Criminal Justice  
Of Faces and Fighting: Assessing the relationship between facial-width-ratio and winning in hockey fights  
1:00-1:15

**Jill Johnston**, Criminal Justice  
Credit Card Fraud: What Really Occurs Following a Breach of your Information?  
1:15-1:30

**Moderator: Debbie Tenofsky**

**Lauren Galyen**, Criminal Justice  
A Comprehensive Review of the Effects of Economic Redevelopment on Crime Rates  
1:30-1:45

**James Reichwein**, Psychology  
European Union Security  
2:00-2:15

**Xiang Li**, Marketing  
Does sharing signal caring? Asymmetric interpretations of the informativeness of own and others’ social media communications  
2:15-2:30
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Taft Research Center

Moderator: Sean Keating
Yiren Wang, Mathematics
Change Point Detection in Statistical Process Control 12:00-12:15

Jake Hays, Sociology
Women’s Representations on Survivor 12:15-12:30

Andrew McGrath, Anthropology
Conflicted Agency: Affective registers of supported housing in Over-the-Rhine 12:30-12:45

Dinushki De Livera, Business Economics
What is the optimal dissemination of salary information in an organization? 12:45-1:00

Christiana Mason, International Affairs
Assessing the Impact of Global Organizations on Local Cultures 1:00-1:15

McNair Program

Moderator: Cheri Westmoreland
Jaisha Garnett, Art History
Self as a New Media Project of Being 1:15-1:30

Abel Tekaligne, International Affairs
The Effects of Land Grabbing On Ethiopia's Oromo Nationalist Movement 1:30-1:45

PRaISE

Moderator: Cheri Westmoreland
Stephanie Gerth, Medical Laboratory Science
The Miracle of Tissue Culture 1:45-2:00

Kristina Heck, Advanced Medical Imaging Technology
Depression: Investigating the misunderstandings of depression, the why of who’s effected, how it can be prevented and possible treatment options

Moderator: Fran Larkin
Sarah Schwab, Chemistry
Changing the Outcome through Evidence-Based Decision Making 2:15-2:30

Karen Schmitt, Advanced Medical Imaging Technology
ADD/ADHD 2:30-2:45

Courtney Clark, Advanced Medical Imaging Technology
Magnetic Resonance Imaging with Amyotrophic Lateral Sclerosis 2:45-3:00
Oral Presentations

Room 312

UC Forward

Moderator: Anita Todd
Adam Howard, Fire Science 12:00-12:15
Community Paramedicine (Mobile Integrated Healthcare)

Kathe Pocker, Biomedical Engineering 12:15-12:30
Oxygen Concentrators and Zeolite Renewal

REU Program

Moderator: Anita Todd
Adam McNeeley, Chemical Engineering 12:30-12:45
Hybrid Carbon-Bismuth Nanoparticle Electrodes for Energy Storage Applications

Benjamin Sunderland, Aerospace Engineering 12:45-1:00
Experimental Study of Cloud-Based 3D Printing

Moderator: Mihaela Poplicher
Alexandra Maddox, Biomedical Engineering 1:00-1:15
Prediction of pressure distribution between the vocal folds using Bernoulli’s equation

Mackenzie Long, Chemistry 1:15-1:30
Structure Search of New ROS-Agents Show a Potential Mechanism

Moderator: Pam Bach
Michael Hoffman, Biological Sciences 2:00-2:15
Regulation of gosecoid in the Evolution of Diverging Modes of Development between Sea Urchin Species in the Genus Heliocidaris.

Ahmad Lababidi, Health Sciences 2:15-2:30
Ultrasound-enhanced bioactive gas delivery using Nitric Oxide loaded Echogenic Liposomes

Moderator: Kenneth Simonson
Patrick Wolfkiel, Chemistry 2:30-2:45
Click chemistry approach to diversification of novel base-modified thymidine analogs that exhibit anti-cancer activity

Tavari Keel, Psychology 2:45-3:00
Computer-based intervention for reading and other cognitive functions
Allied Health

Mentor: Allison Breit-Smith, Ph.D.

Grace Dumesnil, Communication Sciences and Disorders
Selecting Expository Weather Books for Preschoolers with a Compare/Contrast Text Structure

Mentor: Sarah Couch, Ph.D.

Rachel Denlinger, Dietetics
The relationship between frequency of dietary self-monitoring and change in diet quality among adolescents with hypertension

Mentor: Aimee Dietz, Ph.D.

Emily Haynes, Communication Sciences and Disorders
Constructing Operational Definitions to Promote Interrater Reliability in Aphasia and Augmentative and Alternative Communication (AAC) Research

Mentor: Alison Konerman

Sarah Clawson, Health Sciences
Senior Internship: Oxford Physical Therapy

Mentor: Susan Kotowski, Ph.D.

Joseph Combs, Justin Pichichero, Tiffanie Yun, Joshua Luck, Health Sciences
The Dominance Effect: How Muscular Imbalance Affects Bilateral Movement

Mentor: Aimee Dietz, Ph.D.

Courtney Ogle, Health Sciences
Cincinnati Children’s Hospital Medical Center: Physical Therapy Observation

Mentor: Aimee Dietz, Ph.D.

Melissa Farmer & Cody Giles, Health Sciences
Effects of Shoulder Angle on Muscle Activation During a Bicep Curl

Mentor: Aimee Dietz, Ph.D.

Mitchell Ross, Paul George, Andrew Bernard, Emily Butterbaugh & Kyle Menchhofer, Health Sciences
Cycling: Isolating the Quadriceps and Hamstring Muscle Groups

Mentor: Aimee Dietz, Ph.D.

Jaqueline Miranda-Klein & Briana Baker, Health Sciences
Analysis of how Eye Movement vs. Head Movement Affects Balance

Mentor: Aimee Dietz, Ph.D.

Courtney Gleason, Health Sciences
The Effect of Stance Width and Bar Load on Lower Extremity Muscle Recruitment During Squatting

Mentor: Aimee Dietz, Ph.D.

Jennifer Westover, Taylor Campbell, Adam Frondorf, & Jamie Goldschmidt, Health Sciences
Gait Inefficiency and It’s Effects on VO2 Peak and Ventilatory Threshold

Mentor: Aimee Dietz, Ph.D.

Rebecca Freeman, Samantha Spencer, Joseph Limke, Kathryn Andres & James Byrn, Health Sciences
Knee Valgus During Single Leg Hop- Training Using Visual Feedback
Posters & Displays.................................................................................Allied Health

Mentor: Susan Kotowski, Ph.D.

Sarah Wenning & Cassie Coggesholl, Health Sciences
Is There Really an App for That? A Validity Assessment of Popular Smartphone Heart Rate Monitoring Applications and a Polar Heart Rate Monitor

Ravneet Kaur & Lindsey Moore, Health Sciences
The Effects of Different Shoes on Muscle Activation and Force Production Throughout a Work Day

Taylor Melick, Misty Swetnam, Amanda Schliesman, Laurie Wilson & Alexandra Zokle, Health Sciences
Music Goes The Distance

Kelsey Ulliman & Sarah Hall, Health Sciences
Sternal Precautions in Transferring from Supine to Sitting in Post-Operative Cardiac Patients

Kelsi Brady & Zachary Warner, Health Sciences
Effects of External Stimuli on Single Leg Balance

Muhammad Ulmar, Health Sciences
The Effect of Auditory, Visual, and Mental Distractions on Gait

Mentor: Halima Moncrieffe, Ph.D.

Destini Thomas-Hayes, STARS Program
Sequencing of Single Nucleotide Polymorphisms associated with Juvenile Idiopathic Arthritis Susceptibility

Mentor: Megan Patton, M.Ed.

Karla Duckett, Health Information Management Administration
In this Connected World is Your Electronic Communication Secure?

Wayne Lyon, Health Information Management Administration
Data Analytics & Business Intelligence in the Era of Big Data in the Healthcare Industry

Mary Valenzuela, Health Information Management Administration
Document or Not to Document The Importance of Detailed Clinical Documentation in Medicare Risk Adjustment

Nellie Lunsord, Health Information Management Administration
Are we there yet? The Road to Interoperability

Jessica Locke, Health Information Management Administration
Hospital Cancer Registry Data: The Needle in the Haystack of Big Data and How it Can Improve Cancer Treatment, Research and Outcomes

Laura Griffis, Health Information Management Administration
Honing in on Medical Identity Theft
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Karen Faulk, Health Information Management Administration
Health Information Exchanges: Are We There Yet? AH26

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Angela James, Health Information Management Administration
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Erin Reuscher, Health Information Management Administration
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Tammy Amos, Health Information Management Administration
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Alyson Janning, Communication Sciences and Disorders
AH36
Speech Processing and Perception in Canines when given Verbal and Nonverbal Commands

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Charles McCombs, Health Sciences
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Anna Becker, Social Work
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Saifuddin Aijaz & Aaron Choi, Chemical Engineering

REU Program
A Synthetic Nanopore for DNA Sequencing

Mentor: Anant Kukreti, Ph.D. & Temesgen Aure, Ph.D.

Natasha Sutton & Justin Singh, Environmental Engineering

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Mentor: Douglas Mast, Ph.D.

Temiloluwa Adeniyi, Biomedical Engineering

REU Program
Spatio-Temporal Estimations of Ultrasound Thermal Ablation

Mentor: Daria Narmoneva, Ph.D. & Donna Jones, Ph.D.

Joshua Jackson, Biomedical Engineering

REU Program
FRET-Based Sensor for Bone Growth Therapy

Mentor: Amir Salehpour, Ph.D.

Jonathan Jurcenko, Mechanical Engineering Technology

3D Printed Mobile Robot Kit

Exhibit Piece, E15

Mentor: Vesselin Shanov, Ph.D.

Isaac Dippold, Chemical Engineering

REU Program
Synthesis and Characterization of Carbon Nanotube - Graphene Composites for Application in High Performance Supercapacitors

Mentor: Murali Sundaram, Ph.D. & Temesgen Aure, Ph.D.

Anne Brant, Mechanical Engineering

REU Program
Characterization of a Nano 3D-Printing Positioning System.

Mentor: Mark Turner

Chelsea Livesay, Chemical Engineering

REU Program
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Posters & Displays

Humanities

**Caitlin Clark & Rachel Thrun**, Middle School Education
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Combating Youth Abuse Through Scholarship, Research, and Service

*Mentor: Billie Dziech, Ed.D.*

**Allison Latessa**, Fashion Design
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*Mentor: Hanna Hall*

**Simone Bates-Smith**, Classical Civilization
*McNair Program*
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*Mentor: Kathleen Lynch, Ph.D.*

**Paige Young & Mary Devlin**, Health Education
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*Mentor: Laura Nabors, Ph.D.*

**Lisa Kasselmann**, Secondary Education
Constructivist Teaching Methods in Math

*Mentor: Mihaela Poplicher, Ph.D.*

**Ashley Leck**, Biological Sciences
Vocal Behaviors of King Penguins

*Mentor: Peter Scheifele, Ph.D.*

**Hayley Coldiron**, Marketing
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Cultural Norms Affect Gift-Giving Strategy

*Mentor: Mary Steffel, Ph.D.*

**Shannon Hokanson**, History
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*Mentor: Michèle Vialet*

**Robert McGlasson**, French
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*Mentor: David Stradling, Ph.D. & Arnold Miller, Ph.D.*

**Jacob Carson**, Environmental Engineering
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Life Sciences

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Courtney Collins, Biochemistry
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Mentor: Robyn Amos-Kroos, Ph.D. & Ilya Vilinsky, Ph.D.

Momina Qureshi, Neuropsychology
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Mentor: Davis Askew, Ph.D.

Brittney Brohier & Angelica Hardee
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Mentor: Bruce Ault, Ph.D.

Melanie Jeffries, Biochemistry
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Alexandra Bowles, Biological Sciences
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Mentor: Mark Baccei, Ph.D.

Elisabeth Beason, Biological Sciences
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Mentor: Joshua Benoit, Ph.D.

Paige Craig, Neurobiology
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Mentor: Isha Buffam, Ph.D.

Richard Hagan, Biological Sciences
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Jacob Hendershot, Biological Sciences
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Katelin Schneider, Biological Sciences
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Mentor: Isha Buffam, Ph.D.

Christine Uebel, Biological Sciences
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Mentor: Isha Buffam, Ph.D.

Caitlin Shaw, Environmental Studies
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Bradley Meyer, Biological Sciences
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Dylan Sexton, Neurobiology
University Honors Program
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Ayesha Khan, Neurobiology
University Honors Program
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Mentor: Lionel Chow, Ph.D.

Farah Hussain, Neurobiology
University Honors Program
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Robert Tunison, Biological Sciences
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Mentor: Vaughn Cleghon, Ph.D.

Dane Larson, Biological Sciences
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Mentor: Ron DeBry, Ph.D.

Yizhou Jiang, Biochemistry
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Mentor: Ruxandra Dima, Ph.D.

Taylor Tocash, Biological Sciences
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Mentor: Anna Donnel, Ph.D.

Rashika Bhargava, Biological Sciences
University Honors Program
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Mentor: Susan A. Dunford, Ph.D.

Maxwell Tallman, Neurobiology
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Mentor: James Eliassen, Ph.D.

Brady Williamson, Neuropsychology
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Thomas Creedon, Biological Sciences
*University Honors Program*
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**Mentor: Sheila Fleming, Ph.D.**

Mackenzie Gauck, Biological Sciences
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**Mentor: Brian Gebelein**

Lauren Kirgis, Neuropsychology
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**Mentor: Donald Gilbert, M.D. & Steve Wu, M.D.**

Emily Osterling, Health Sciences
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**Mentor: Dennis Grogan, Ph.D.**

Andrew Gangidine, Biological Sciences
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**Mentor: Joshua Gross, Ph.D.**

Ian Klingler, Biological Sciences
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**Mentor: Anna Gudmundsdottir, Ph.D.**

Jacob Schofield, Biochemistry
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**Mentor: Fukima Hamada, Ph.D. & Tadahiro Goda, Ph.D.**

Victoria Nguyen, Biological Sciences
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**Mentor: Kevin Haworth, Ph.D. & Kirthi Radhakrishnan, Ph.D.**

Kyle Stewart, Biomedical Engineering
*REU Program*
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**Mentor: Christy Holland, Ph.D.**

Ahmed Lababidi, Health Sciences
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**Mentor: Ana Luisa Kadekaro, Ph.D.**

Nikesh Kumar, Biological Sciences
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**Mentor: Daniel Kaneshiro, Ph.D.**

Daniel Betz, Biological Sciences
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**Mentor: Edna Kaneshiro, Ph.D.**

Ben Scalf, Biological Sciences
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Jessica Trygier, Neuropsychology
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George Adly, Biomedical Engineering
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Mentor: Litsa Kranias, Ph.D.

Jose-Fernando Rodriguez-Chappell, Biological Sciences
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Mentor: Ashish Kumar, M.D., Ph.D.

Michelle Gaerke, Biological Sciences
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Mentor: Adam Kushner

Lauren McKenzie, Biochemistry
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Mentor: Patrick Limbach, Ph.D.

Tom Kohorst, Biochemistry
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Mentor: Vladislav Litosh, Ph.D.

Aron Bercz, Biochemistry
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Mentor: Bryan Mackenzie, Ph.D.

Alexandra Wagner, Biochemistry
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Mentor: Theodore Ruwe, Biological Sciences
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Mentor: Robert Mangine, MED, PT, ATC

Shahana Prakash, Biological Sciences
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Mentor: Dominic Mainello, Biological Sciences
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**Mentor:** Marie Matrka

Kenneth Tedrick, Biological Sciences
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**Mentor:** Stephen Matter, Ph.D.

Christopher Screen, Environmental Studies
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**Mentor:** Edward Merino, Ph.D.

Adam Hadsell, Biochemistry
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**Mentor:** Halima Moncrieffe, Ph.D.

Josephine Watson, Biological Sciences
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**Mentor:** Louis Muglia, M.D., Ph.D.

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**Mentor:** Brent Myers, Ph.D. & Jim Herman, Ph.D.

Lauren Crossman, Biological Sciences
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**Mentor:** Heather Norton, Ph.D.

Miranda Wood, Neurobiology
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**Mentor:** Louis Muglia, M.D., Ph.D.

Megan Hanna, Anthropology
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**Mentor:** Mihaela Pavlicev, Ph.D.

Kaori Hiratsuka, Biological Sciences
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**Mentor:** Allan Pinhas, Ph.D.

Thomas Centa, Biological Sciences
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**Mentor:** David Plas, Ph.D.

Caleb Winner, Neurobiology
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**Mentor:** Michał Polak, Ph.D. & Frances Tyler, Ph.D.

Alexandria Imm, Biological Sciences
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**Mentor:** Louis Muglia, M.D., Ph.D.

Kassie Hooker, Biological Sciences
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Posters & Displays

Mentor: Michal Polak, Ph.D. & Frances Tyler, Ph.D.

Lauren Roberto, Biological Sciences
Secondary sexual traits indicate the ability to mitigate oxidative stress in Drosophila bipunctata

Sowmya Balusu, Biological Sciences
Role of NHE1 in diet-induced Fatty Liver disease

BriAnna Ostrander, Biological Sciences
SpEAR

Emma Teal, Biological Sciences
WISE Program
Efficient Seed Collection Strategies for Genetic Conservation of the American Chestnut

Mohamed Elzarka, Exploratory
University Honors Program
Reduced audiogenic seizure susceptibility in a mouse model of Fragile X Syndrome via GABA(A) and ERK modulation.

Patricia Ablordepepy, Biological Sciences
CST function at telomere mediated through TPP1 Interaction

Lakmal Ekanayake, Biological Sciences
SURF Program
Complement C5aR-derived signals reciprocally regulate M1/M2 macrophage balance in disease pathogenesis of Biliary Atresia.

Manoj Ambalavanan, Philosophy
University Honors Program
The Wnt signaling modulator Notum is expressed during tracheal morphogenesis

Bahar Pahlevani, Biological Sciences
University Honors Program
Novel Object Recognition and Other Behavioral Tests on CrT Knockout Mice Examine Cognitive Development

Catherine Backstrom
THE EFFECT OF HIP STRENGTH, RANGE OF MOTION AND BALANCE ON INJURY OCCURRENCE IN COLLEGE LEVEL BALLET DANCERS

Zachary Daiker, Biological Sciences
Cloning Cre Recombinase Using FRE5 Plasmid
Posters & Displays.................................................................Life Sciences

James Bunnell, Biochemistry
Tryprophan Labelling of N-Terminus of the Human LysRS Protein Using a Sortase-Mediated Reaction

Mentor: Pearl Tsang, Ph.D.

Sruthi Sundaram, Biological Sciences
Contribution of the N-terminus of lysyl tRNA synthetase to binding with cognate and non-cognate tRNA

Mentor: Traci Tuttle, Ph.D.

Samuel Hopkins, Biological Sciences
Increasing cGMP signaling enhances the effects of ionizing radiation on head and neck cancer cells

Mentor: George Uetz, Ph.D.

Duaa Mureb, Biological Sciences
Therapeutic targeting of cGMP signaling with nitric oxide donors in head and neck cancer

Mentor: George Uetz, Ph.D.

Corey Vaughn, Biological Sciences
Behavioral responses of the purring wolf spider (Gladicosa gulosa) to conspecific acoustic cues.

Mentor: Eric Villegas & Shannon Griffin

Madeline Lallo, Biological Sciences
Listening in to eavesdrop: Male Schizocosa ocreata associate seismic/vibratory signals of other males with female cues.

Mentor: Eric Villegas & Shannon Griffin

Eunsol Jeoun, Biological Sciences
Female Preference for male Tuft size under the risk of predation in Schizocosa ocreata wolf spiders (Araneae: Lycosidae)

Mentor: Eric Villegas & Shannon Griffin

Trevor Plunkett, Biological Sciences
Detection of T. gondii Oocyst Infection through Development of a Luminex-Based Assay

Mentor: Daniel Wagenaar, Ph.D.

Adam Stockfish, Biological Sciences
Hundreds of Eyespots: Which Does the Leech Utilize to Find Its Prey?

Mentor: Shao-Chun Wang, Ph.D.

Brian Hunt, Biological Sciences
Novel function of tyrosine phosphorylation in mammary tumor development and metastasis

Mentor: Andrew Webber, Ph.D.

Jane Sushansky & Sarah Al-Rdani, Environmental Studies
Creating an outdoor nature experience for preschool-aged children

Mentor: Matt Weirauch, Ph.D. & Leah Kottyan, Ph.D.

Anna Goose, Neuropsychology
Identification of a deafness-associated genetic variant that affects transcription factor binding

Mentor: Matt Weirauch, Ph.D. & Leah Kottyan, Ph.D.
Posters & Displays

Robert Kassinger, Neurobiology

University Honors Program
Development of Fine Motor Movements in the Corticospinal Tract

Mentor: Yutaka Yoshida, Ph.D.
L87

Jean Schoenfelt, Biological Sciences

Targeting ARGLU1 by 3-WJ pRNA Nanoparticles Sensitizes Breast Cancer Cells to Tamoxifen Therapy

Mentor: Xiaoting Zhang, Ph.D. & Yihuan Zhang, Ph.D.
L88
Nursing

Mentor: Esta Butts, RN, MSN

Ashley Brock, Jeremy Higgins, Stephanie Doll, Kyleigh Mose & Nicole Barber, Nursing
Patient/Visitor Violence in the Healthcare Environment.

Karen Lovins & Bobbie Mounce, Nursing
Patient/Visitor Violence in the Healthcare Environment.

Logan Hammond, Nursing
Treatment Fidelity in Nursing

Austin Powell, Nursing
DAC Baseline Survey

Brittany Ziegler, Nursing
The Ecuador Experience: Teaching through a Cultural Barrier

Mentor: Angela Clark

Mentor: Dr. Gordon Gillespie

Mentor: Diane Grever

Mentor: Cheedy Jaja, Ph.D.

Marian Harrison, Mai Nguyen, Christine Chege, & Alexis Carter, Nursing
Capstone Project

Lindsey Mueller, Nursing
Factors Effecting Vital Sign Documentation in the Emergency Department

Mentor: Kimberly Johnson, Ph.D.

Mentor: Jennifer Lakeburg, RN, MSN

Adam Tullis, Kayla Finn, Marie Fishburn, Joseph Herzog, Claire Speirs, & Jenna Ratterman, Nursing
Preventing Physical Related Injuries in Grade School Children

Mentor: Kimberly McGinnis

Mentor: Joseph Perazzo, RN, MSN

Lindsey Frantz, Nursing

STARS Program
Internet Use In HIV Care By Newly Diagnosed Patients: A Qualitative Content Analysis.
Posters & Displays

Gillian Rickner & Tiara Anthony, Nursing
Treating Baby Fever

Mentor: Yvette Pryse, Ph.D.
N12

Emily Sullivan, Tiffany Satterfield, Ashley Sanchez, Kelsey Gates, & Amanda Hartnett, Nursing
Hospital Falls: A Re-Evaluation of the Morse Fall Scale and Preventing Falls on a Cardiac/Telemetry Unit.

Alexandra Fiehrer, Kelli Warman, Brooke Dungan, Stephanie Snyder, Mollie Williams, & Maria Meyer, Nursing
Comparison of Cooperative Learning Programs in Undergraduate Baccalaureate Nursing Programs

Nicole Hagan, Miranda Lipps, Cecilia Guinther, Nicholas Misleh, Chelsea Staubach, Nursing
Importance of Oral Care in Reducing Hospital Acquired Ventilator Pneumonia

Hannah Toler & Abby Thackston, Nursing
A Review of A Nurse’s Understanding of Catheter-associated Urinary Tract Infections on A Surgical Intensive Care Unit.

Katelyn Rhodes, Nursing
Childhood Vaccinations: MMR

Mentor: Carol Rumpler
N17

Ashley Brown, Stuart Ficke, Lucy Nguyen, Joe Dance, Emily Floyd, Dan Boyles, Nursing
De-escalation Strategies for Violent Patients

Mentor: Deborah Schwytzer, RN, MSN
N18

Sara Holloway & Meagan Howard, Nursing
The Effect of Scrub Caps on Central Line Blood Stream Infections in a Pediatric ICU

Devon See & Paul Adams, Nursing
Unit Based Nursing Simulations

Kathryn Wallenhorst & Derek Garde, Nursing
Sudden Infant Death Syndrome Prevention

Allison Waites, Nursing
Increasing Isolation Compliance

Hannah Volkerding, Nursing
Safe Bedside Patient Care Handoff: Development of Standardized Shift Report

Alysha Whitney, Amanda Jarvis, Jenna Brubaker, & Todd Stitz, Nursing
Effective Hourly Rounding
Posters & Displays.................................................................Nursing

Mentor: Donna Shambley-Ebron, Ph.D.

Imani Rugless, STARS Program
Developing a Culturally and Developmentally Appropriate Intervention to Reduce HIV Risk Behaviors Among Black Girls

Mentor: Amy Shay, RN, MSN

Chelsea Zahlen & Judy Owens, Nursing
Impacting IV Heroin Users by Facilitating Resources through Emergency Departments

N25

Fay Alexander, Christina Bruce, Kristie Morris, Ingrid Lively, & Oksana Misyukovets, Nursing
Clermont County Health District Syringe Exchange Program Feasibility Project

N26

Maria Ingles, Elizabeth Osborne, Kathleen Lee, Karen Watson, & Maggie Lotz, Nursing
Hourly Rounding Process Improvement

N27

Jerry Horan, Nursing
UC Fit: Part II

N28

Sarah McKinney, Briana McCaffrey, & Jennifer McClennan, Nursing
Raising College Students’ Awareness of the Stigma of Mental Illness

N29

Erin Ogden & Brittany Taylor, Nursing
Social Media In Health Care

N30

Amanda Agnew, Jennifer Roades, Rachel Mantyla, & Allison Michael, Nursing
Raising Awareness of Movement Therapy for Cancer Patients

Mentor: Robin Wagner, MSN

Heather Brunswick, Tyler Morrison, Elizabeth Fronk, Emily Wathen, Hannah Meyer, Paige Smith, & Bethany Hoyer, Nursing
Intimacy in the Elderly

N32

Melissa Kreitemeyer & Emma Patty, Nursing
Nurses knowledge on acuity based patient assignments

Mentor: Tina Weitkamp

N33

Kevin Milligan, Emily Castle, Abby Engdahl, Malia Hess, Megan Longshore, & Shelbi Nicole Wineland, Nursing
Rapid Diagnostic Testing for Malaria in Rural East Africa

N34
Posters & Displays.............................................................Physical Sciences

Physical Sciences

*Mentor: Balasubrahmanyam Addepalli, Ph.D. & Patrick Limbach, Ph.D.*

Sarah Venus, Chemistry

*University Honors Program*

Purification and characterization of cytidine-specific ribonuclease, Cusativin, for mapping nucleoside modifications in RNA

*Mentor: Susan Allen*

Rachel Bolus, Archaeology

*Taft Research Center*

The Projekti Arkeologjikë i Shkodrës: Bronze Age and early Iron Age Archaeobotanical Analysis

*Mentor: Neil Ayres, Ph.D.*

Jeramiah Bradley, Chemistry

*Mentor: William Connick, Ph.D.*

Chiara Mesquita Cerino Carillo Le Roux, Chemistry

Anion Sensing Using a Platinum(II) Complex

*Mentor: Michael Baldwin, Ph.D.*

Spencer Hendrickson, Chemistry

Preparation of Cooperative Multi-electron Reagents

*Mentor: Michael Baldwin, Ph.D.*

Cameron Price, Chemistry

Photochemistry, electrochemistry and structural characterization of α-hydroxy Acid containing chelates

*Mentor: Michael Baldwin, Ph.D.*

Brooke Campbell, Chemistry

alpha-Hydroxy Acid-Containing Ligands for Binding and Light-Triggered Release of Iron and other Transition Metals

*Mentor: Carlton Brett, Ph.D.*

James Kesner, Geology

Stratigraphic correlation of gamma ray profiles across Sebree Trough from South Western Ohio to Eastern Central Ohio.

*Mentor: Joseph Caruso, Ph.D.*

Stephanie Lewis, Chemistry

Optimization of Cell Lysis of Histoplasma capsulatum to Preserve the Metalloproteome

*Mentor: Joseph Caruso, Ph.D.*

Aaron Smith, Chemistry

Miswak stick: is it effective at cleaning your mouth?

*Mentor: Brooke Crowley, Ph.D.*

Ian MacAdam, Archaeology

An isotopic investigation of the fauna at Ankilitelo sinkhole

*Mentor: Brooke Crowley, Ph.D.*

Danielle Strasinger, Geology

An isotopic investigation of the foraging ecology of endemic and introduced vertebrates from two lava tubes on Tenerife, Canary Islands
Posters & Displays

Cody Shuman, Chemistry
The Role of Kinesin-1 in the Depolymerization of Microtubules
Mentor: Ruxandra Dima, Ph.D.  P13

Matthew Brown, Physics
Manifolds, Differential Geometry, and Physics
Mentor: Paul Esposito, Ph.D.  P14

Dnyanesh Kulkarni, Physics
University Honors Program
Groups, Representations, and Physics II
Mentor: Christina Gross, Ph.D.  P15

Nada El-Sayed, Chemistry
University Honors Program
MicroRNA Regulation of the Potassium Channel Kv4.2
Mentor: Hairong Guan, Ph.D.  P16

John Leubking, Chemistry
PNP Nickel Catalysis for Carbon Sulfur Coupling
Mentor: Anna Gudmundsdottir, Ph.D.  P17

Elizabeth Kidd, Chemistry
The Mechanistic studies of a Methylester Isoxazole upon Excitation by Laser Flash Photolysis
Mentor: Anna Gudmundsdottir, Ph.D.  P18

Blake Ridenour, Chemistry
Excited state reactivity of benzophenone chromophore with azidomethyl substituent
Mentor: Anna Gudmundsdottir, Ph.D.  P19

Jennifer Coffman, Chemistry
Understanding the Solution, Solid State Reactive Intermediates of Cyclopentenones and the Reaction Mechanism using Laser Flash Photolysis, Single-Crystal Packing and DFT calculations
Mentor: Anna Gudmundsdottir, Ph.D.  P20

Fabian Jesuthasan, Chemistry
Mechanistic Studies of the Photochemistry of Isoxazole.
Mentor: Christopher Gulgas & Michael Baldwin  P21

Ashley Bosse, Chemistry
University Honors Program
Photochemical Study of 1,4 substituted 1,2,3-triazole
Mentor: Christopher Gulgas & Michael Baldwin  P22

Matthew McDaniel, Chemistry
Synthesis and Oxygen Reactivity of Ni(II) Polyoximate-carboxylate Complexes
Mentor: Patrick Limbach, Ph.D.  P23

Amber Volmer, Chemistry
Culturing of Model Fungi to Study Ionizing Radiation Damage to RNA
Mentor: Patrick Limbach, Ph.D.  P24

Danielle Marler & Zachary Tasset, Chemistry
Isolation and detection of placental human tRNA His (GUG) using oligonucleotide affinity probe and mass spectrometry
Mentor: Patrick Limbach, Ph.D.  P25
Posters & Displays

Mathew Pflanz & Kyle George, Chemistry
Incorporating Stable Isotopes in Saccharomyces cerevisiae RNA by Labeled Uracil

Mentor: Patrick Limbach, Ph.D.
P26

Thi Nguyen, Chemistry
URC- UG Student Research Fellowship Program
Cyclopropenes as Potential Warheads for Inhibitors of Cysteine Proteases and Tyrosine Kinases

Mentor: Vladislav Litosh, Ph.D.
P27

William McClure, Chemistry
Synthesis of novel base-modified thymidine analogs that exhibit anti-cancer activity

Mentor: Thomas Lowell & Aaron Diefendorf
P28

Katherine McNulty, Geology
Tracking Climate Change Through Lake Sediments

Mentor: James Mack, Ph.D.
P29

Patrick Zuelke, Chemistry
REU Program
Cycloaddition Reaction of Phenylacetylene in the High Speed Ball Mill

Mentor: James Mack, Ph.D.
P30

Peggy Scott, Chemistry

P31

Landsh Iskhakova, Chemistry
Exploring the Energetics of a Spex 8000M-Mixer Mill: A combined computational and “wet lab” approach.

P32

Zachary Padolik, Chemistry
Synthesis of Nickel Pincer Complexes in a High Speed Ball Mill

P33

Taylor Kleineick, Chemistry
Secondary Alcohol Oxidation using High Speed Ball Milling

Mentor: Alan Pinhas, Ph.D.
P34

Kevin Klusmeier, Chemistry
Secondary Alcohol Oxidation using High Speed Ball Milling

Mentor: Mark Plano Clark, Ph.D.
P35

Helena Pikhartova, Physics
Measuring the relativistic momentum of electrons.

Mentor: Mihaela Poplicher, Ph.D.
P36

Zachary King, Mathematics
Euclidean Analysis for Undergraduates

Mentor: Mihaela Poplicher, Ph.D.
P37
Posters & Displays

Muriel Lemaitre, Chemistry
Enhancing the sensitivity of nanoparticle arrays for drug detection

ReJeana Cary, Chemistry
Enhancing the sensitivity of nanoparticle arrays for drug detection

Kevin Ma, Chemistry
Enhancing the sensitivity of nanoparticle arrays for drug detection

Emily Lehnhoff, Chemistry
WISE Program
Enhancing the sensitivity of nanoparticle arrays for drug detection

Melissa Kelley & George Yoshidea, Chemistry
Dobutamine fluorescein compound used for targeting Beta-1-adrenergic receptors in new quantitative assay

Hannah Schwab, Chemistry
Sensitivity Optimization of Plasmonic Substrates for Supported Lipid Membrane Sensing Applications

Zachary King, Physics
Search for the Decay of the Neutral B Meson to Phi and Gamma.

Kevin Wagner, Physics
University Honors Program
Exploring Structures and Variability in the Pre-transitional Disk in HD 169142

Brian Henderson, Physics
Optical and Electrical Characterization of Molybdenum Disulfide Monolayers

David Pekarik, Chemistry
Crown Ether Host Rotaxane Cytoxic

Micah Groh, Physics
Studies of Space Charge Effects in Liquid Argon Time Projection Chambers
Posters & Displays..................................................Physical Sciences

Kyle Vieth, Chemistry
Mechanistic Insights into Disaggregation and Unfolding Functions of Bacterial Clp ATPase Nanomachines

Alex Mason, Chemistry
Constant Domains of Antigen-Binding Fragment of IgG Antibody: A Bioinformatic Analysis

Kevin Wagner, Mathematics
University Honors Program
Planetary Interactions Within Circumstellar Disks - a Gravitational Simulation of The

Andrew Bridges, Geology
Geometric morphometric analysis of Paleozoic arthropods: testing the effect of environment and taphonomy on morphology

Kobina Schandorf-Woode, Chemistry
Synthesis of Sugar Stabilized Metal Nanoparticles

Ryan Miller, Chemistry
Gold Nanoparticle Dimers

Akwasi Appiah, Chemistry
Synthesis of Surface-functionalized Silica Nanoparticles
Posters & Displays

Planning & Architecture

Peter Stiver, Political Science; & Kateri Ang
University Honors Program
Humanitarianism: Design Thinking Across Disciplines

Kathryn Costa, Interior Design; Steven Doyle
UC Forward Course

Clare Knecht, Architecture
ERC Insertion

Mentor: Michael Zaretsky  PA1
Mentor: Brian Davies & Arnold Miller  PA2
Mentor: Melanie Swick  PA3
17th Annual PRaISE Conference
Presentations of Research and Innovative/Scholarly Endeavors

Advanced Medical Imaging Technology

Mentor: Barry Southers, M.Ed. & Alan Vespie, M.Ed.

Kelsey Wineland, Advanced Medical Imaging Technology
What is Multiple Sclerosis? Diagnosis, Clinical Imaging, and Treatment of MS

Molly Schlotman, Advanced Medical Imaging Technology
Bipolar Disorder: Diagnosis, Treatment, and Research

Jocelyn Monnin, Advanced Medical Imaging Technology
Magnetic Resonance Imaging of Autism

Rachel Young, Advanced Medical Imaging Technology
Fetal Magnetic Resonance Imaging

Kaley Bridgewater, Advanced Medical Imaging Technology
Magnetic Resonance Imaging of the Breast: Indications, Techniques, and Pathologies

Mitchell Lawson, Advanced Medical Imaging Technology
Imaging Alzheimer's Disease

Mariah Lingo, Advanced Medical Imaging Technology
The cutting edge of functional magnetic resonance imaging

Samantha Grebner, Advanced Medical Imaging Technology
Functional Magnetic Resonance Imaging and Posttraumatic Stress Disorder: Diagnosing and Preventing

Amanda Sachs, Advanced Medical Imaging Technology
Anatomical and Physiological Differences in Psychopathy and Sociopathy

Brittany Hurst, Advanced Medical Imaging Technology
Noninvasive Diagnosis of Advanced Liver Disease: MRI Vs. CT

Tracee Jenkins, Advanced Medical Imaging Technology
Glioblastoma Multiforme: Examining the difficulties related to its diagnosis and treatment
**Posters & Displays**

*Communication Sciences and Disorders*

*Mentor: Suzanne Boyce, Ph.D.*

**JoHannah Ungruhe & Kalley Longpre**, Communication Sciences and Disorders **PR12**  
Exploring an automated approach to measuring articulatory complexity in speech samples of young children.

**Kalley Longpre & JoHannah Ungruhe**, Communication Sciences and Disorders **PR13**  
A case study of syllabic complexity in dizygotic twins using automated acoustic and conventional approaches to analysis

**Suzi Zuleger**, Communication Sciences and Disorders **PR14**  
Facilitating Intervention for American English /r/ using Ultrasound Visual Feedback

**Elizabeth Hary**, Communication Sciences and Disorders **PR15**  
Exploring Utility of Landmark Analysis with Spondee Words for Assessment of Intelligibility: A Pilot Study

**Lindsay Mullins**, Communication Sciences and Disorders **PR16**  
**WISE Program**  
Syllable position effects of on production and perception of /r/

**Megan Heckmann & Sarah Hemer**, Communication Sciences and Disorders **PR17**  
Survey Results From Former Ultrasound /r/ Therapy Clients

**Sarah Hemer**, Communication Sciences and Disorders **PR18**  
Survey Results From Former Ultrasound /r/ Therapy Clients

**Dena Henderson**, Communication Sciences and Disorders **PR19**  
Using ultrasound to teach articulation characteristics to children who have different learning behaviors: A case study

*Mentor: Nancy Creaghead, Ph.D.*

**Bria Kramer & Charles Poeppelman**, Communication Sciences and Disorders **PR20**  
Changes in Reading Patterns of Parents: Will they use dialogic reading strategies after being trained?

**Allison Schenck & Kathryn Lutes**, Communication Sciences and Disorders **PR21**  
Shyness- Anxiousness and Expressive Vocabulary in Dual Language Learners

**Courtney Bills & Kathleen Quinn**, Communication Sciences and Disorders **PR22**  
Comparing Perspectives: The Multiples Faces of Pedagogy

**Shannon Rothenbusch**, Communication Sciences and Disorders **PR23**  
Pragmatic Deficits after Childhood Traumatic Brain Injury
Posters & Displays........................................................................................................PRaISE

Communication Sciences and Disorders

Mentor: Aimee Dietz, Ph.D.

Andre Leysath & Emma Boggs, Communication Sciences and Disorders
The Experience of Organizing, Gathering, and Analyzing In-Scanner Discourse Data of People with Aphasia

Alexandra Perrault, Communication Sciences and Disorders
WISE Program
Social Validity of a Novel AAC Intervention for People with Aphasia

Hayden Dougherty, Communication Sciences and Disorders
Innovating the Diagnosis of Auditory Nerve Function

Mentor: Brian Earl, Ph.D.

Albert Kiser, Communication Sciences and Disorders
A Standard of Auditory Neurons in High-Definition

Engie Hammad, Communication Sciences and Disorders
Objective Measure of Estimating Hearing Thresholds using Chirp Stimuli

Mental: Lisa Kelchner, Ph.D.

Kelly Gatch, Communication Sciences and Disorders
Developing Child-Completed Voice Handicap Index

Mentor: Lisa Kelchner, Ph.D.

Haley Mason, Communication Sciences and Disorders
URC-UG Student Research Fellowship Program
Swallow Non-Inspiratory Flow in Healthy Children: A Comparison Across Three Bolus Consistencies

Mental: Ann Kummer, Ph.D.

Madison Warrick, Communication Sciences and Disorders
Prevalence of Language Disorders in Children with Mental Health Disorders

Jane Delisio, Communication Sciences and Disorders
Phoneme Specific Nasal Emission

Mental: Claire Miller, Ph.D.

Sarah Crosby, Communication Sciences and Disorders
Pediatric Dysphagia Cups: Market Overview and Categorization

Mental: Bridgitt Pauly

Cara Burwinkel, Communication Sciences and Disorders
Hearing Loss and Deafness Competencies

Mental: Lesley Raisor-Becker, Ph.D.

Rachel DeLord, Communication Sciences and Disorders
Acoustics in Preschool Classrooms
Posters & Displays

Communication Sciences and Disorders

**Evan Murphy**, Communication Sciences and Disorders
Kennel Noise and the Effect on Military Working Dogs

**Megan Davis**, Communication Sciences and Disorders
Canine Behavior and Neural Preference when Exposed to Music

**Allison Armstrong**, Communication Sciences and Disorders
Using Frequency Waterfall Plots to Direct Choirs

**Elisabeth Walker**, Communication Sciences and Disorders
Auditory perceptual grouping and noise-masked speech perception

**Kaitlin Boggs**, Communication Sciences and Disorders
Experience through Opening Minds Through Art (OMA)

**Karin Mueller & Kala East, Jessica Crawford & Kelly Garland**, Communication Sciences and Disorders
Visual Schedule Implementation for Learners with Significant Needs

**Nicole Epure & Jenny Burton**, Communication Sciences and Disorders
Enhancing Communication in Preschool Aged Children with Autism Spectrum Disorder: A Three Day Parent Workshop

**Lauren Mikhail & Maggie Gilmore**, Communication Sciences and Disorders
*WISE Program*
The Cultural and Diagnostic Appropriateness of Standardized Language Assessments for Bilingual Populations: A Focus on Jamaican-Creole Speaking Preschoolers

**Rachel Stolyar & Rosa Massaro**, Communication Sciences and Disorders
The longitudinal effect of temperament on individuals who stutter

**Kayla Whitaker & Cody Curry**, Communication Sciences and Disorders
Acoustic Change Complex in Musicians and Non-musicians

*Mentor: Peter Scheifele, Ph.D.*
*PR36*

*Mentor: Noah Silbert, Ph.D.*
*PR39*

*Mentor: Carney Sotto, Ph.D.*
*PR40*

*Mentor: Karla Washington, Ph.D.*
*PR41*

*PR42*

*PR43*

*Mentor: Fawen Zhang, Ph.D.*
*PR44*

*PR45*
Posters & Displays

Health Sciences

**Derek Drummond**, Health Sciences
Orthopedic Internship with the University of Cincinnati Medical Center

**Mentor: Marissa Baum, PA-C**
**PR46**

**Brian Barney**, Health Sciences
McNair Program
Utilization of Aerobic Exercise in Physical Therapy Practice: A Survey Study of U.S. Therapists

**Mentor: Pierce Boyne, DPT, PT**
**PR47**

**Muhammed Umar**, Health Sciences
Survey Study of US therapists

**Mentor: Melinda Butsch Kovacic, Ph.D.**
**PR48**

**Jessica Mace**, Health Sciences
Seven Hills Neighborhood House Internship

**Mentor: Donita Bylski-Austrow, Ph.D.**
**PR49**

**Nana Entsuah**, Health Sciences
McNair Program
Spine Growth Modulation Using Titanium Clip/Screw Device: Curvature, Vertebral and Disc Height Changes at 1 Year

**Mentor: Daniel Carl, Ph.D.**
**PR50**

**Matthew Camardo & Jeffrey Brown**, Health Sciences
The Effectiveness of High-Intensity Interval Training on VO2 Max and Performance at Varying Levels of Resistance

**Mentor: Joe Clark, Ph.D.**
**PR51**

**Leland Rouse**, Health Sciences
Dynavision: Vision Training for Athletes

**Mentor: John Clark, Ph.D.**
**PR52**

**Lianna Snyder**, Health Sciences
Testing without a Booth- Offsite Tests with Noise Canceling Headphones

**Mentor: Anita Drabousky, OTR/L**
**Exhibit Piece, PR53**

**Lindsay Bartsch**, Health Sciences
Pediatric Physical Therapy Using A Strengthening Program of Intensive Developmental Exercises and Activities for Reaching Maximal Potential (SPIDER)

**Mentor: Kari Dunning, Ph.D.**
**PR54**

**Jennifer Westover**, Health Sciences
Subject Perceptions of High Intensity Interval Training for Post-Stroke Rehabilitation

**Mentor: Angela Fitch, M.D. & Susan Kotowski, Ph.D.**
**PR55**

**Kyle Menchhofer**, Health Sciences
Lifestyle Revitalization for the Bariatric Patient

**Allison Moore, Jared Storm & Naman Rakheja**, Health Sciences
Creation of an App Focusing on a Modified Workout for the Obese Individual

**Mentor: Angela Fitch, M.D. & Susan Kotowski, Ph.D.**
**PR56**
Posters & Displays

Mentor: Becky Gaible & Melissa Newman

Alexandra Henkel, Health Sciences
Juvenile Diabetes Research Foundation (JDRF)

Naman Rakheja, Health Sciences
Senior Internship Experience at Beacon Orthopaedics

Jelani Davis & Erin Lander, Health Sciences
McNair Program
Comparison of Muscle Activation Patterns Between Full Weight Bearing and Partial Weight Bearing Exercises

Mentor: Stacey Guy, MPT

Tayor Melick & Thomas Ryberg, Health Sciences
Isokinetic Closed Kinematic Chain Lower Extremity Performance and Lower Extremity Functional Test Performance

Mentor: Thomas Herrmann, Ed.D.

Nick Padavana, Health Sciences
CCHMC Inpatient OT/PT Rehabilitation Clinic

Mentor: Jamie Hignite

Heather Peterson, Health Sciences
Comparing Safety of Antidepressants During Prenatal Development

Mentor: Jillian Hufgard

Robert Flannigan, Health Sciences
Rocco Prosthetics and Orthotics Internship

Mentor: Susan Kotowski, Ph.D.

Timothy O'Brien & Cassandra Coggeshall, Health Sciences
What Factors Significantly Influence Patient Migration in Hospital Beds?

Mentor: Justin Pichichero

Rachel DeRosa & Paul George, Health Sciences
Our Internship Experience As Elder High School Strength and Conditioning Assistant Coaches

Mentor: Jonas Butler

Mitchell Ross, Health Sciences
University of Cincinnati Medical Center: Rehab Aide

Mentor: Iman Egab

Justin Pichichero, Health Sciences
Cardiopulmonary Stress Testing at Cincinnati Children's Hospital.

Mentor: Jonas Butler

Public Relations Internship

Mentor: Iman Egab
Posters & Displays

Mentor: Susan Kotowski, Ph.D.

Jamie Netisingha, Health Sciences
Internship with University of Cincinnati Department of Athletics/Sports Medicine

Brianna Offutt, Health Sciences
The Christ Hospital Outpatient Physical Therapy - Internship

Meghan Calvaruso, Health Sciences
Internship through University of Cincinnati Swimming and Diving Program

Emily Butterbaugh, Health Sciences
Fitness and Wellness at the Deupree House

Sarah Baugh, Samantha Spencer, Kelly Foote, Angela Nadler, & Sean Delvalle, Health Sciences
Senior Internship; Observing Fieldwork and Providing Assistance

Cody Giles, Health Sciences
Beacon Elite Sports Training

Timothy McCullough & Calib Cox, Health Sciences
MDA Summer Camp 2014: Adventures in Outer Space

Krista Issler, Health Sciences
Physical Therapy Intervention in Patients with Rotator Cuff Tears

Courtney Gleason & Hannah Ackerman, Health Sciences
Pediatric Max Exercise Testing with Hypertrophic Cardiomyopathy

Ellen Franke, Health Sciences
Physical Therapy Aide at Blake and Associates Inc.: Improving Posture at any Age

Kelsey Ulliman & Maria Savino, Health Sciences
Dynamic Neuromuscular Analysis: An Integrative Approach to Teaching Fundamental Movement Competency

Jamie Netisingha, Meghan Calvaruso, Tim O'Brien, Kristina Utley & Jeff Brown, Health Sciences
Barbell Bench Press: Pectoralis Major Muscle Activation in Fast vs. Slow Repetitions

Haley Petri & Lindsey Moore, Health Sciences
Muscular Dystrophy Association Summer Camp at the Center for Courageous Kids
Posters & Displays

Health Sciences

Andrew Bernard, Health Sciences
Camp OdakOTA

Misty Swetnam, Health Sciences
Premier Physical Therapy and myofascial release

Becca Cooper, Health Sciences
Effects of Knee Joint Flexion Angle on the Activation of Various Muscles During A Bridge Exercise

Jaqueline Miranda-Klein, Health Sciences
Sports/Orthopedic Physical Therapy for the Treatment of Pediatric Low Back Pain and Ankle Injuries.

Jamie Goldshmidt & Adam Frondorf, Health Sciences
A Snapshot into the World of Physical Therapy-Our Senior Internship Project

Amanda Schliesman, Health Sciences
Back Handspring Camp Design and Implementation

Ashley Neff, Health Sciences
Cincinnati Children’s Hospital Medical Center: Motion Analysis Lab

John Detherage, Health Sciences
University Honors Program
Migraine and its Relationship with Joint Hypermobility

Brittany Swope, Health Sciences
Metabolic and Gaiting Profiling on a Murine Model with Neuronopathic Gaucher Disease

Christina Corpus, Health Sciences
Athletic Strength and Power: Cincinnati Sports Performance Center Internship

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