

LIBERTY UNIVERSITY



RESEARCH
week
2018

APRIL 9-12

Jerry Falwell Library

WELCOME TO RESEARCH WEEK

Welcome to Liberty University Research Week 2018!

The mission of the Center for Research & Scholarship is to champion research and scholarship for the Liberty University faculty and students. Research Week is our opportunity to experience the academic pursuits and achievements in the sciences, humanities, and creative arts, and to celebrate the time spent investigating problems whose solutions have the potential to impact the world for Christ.

Whether you are a faculty member, student, or visitor, I encourage you to take this opportunity to engage with the presentations. I hope that you will ask questions, participate in the discussion, meet the researchers, and, finally, be inspired.

I would like to thank every faculty member who has invested time and effort into the mentorship of one of the students presenting this week as well as those who have volunteered their time as Research Week judges. Additionally, we could not accomplish this event without collaboration from a multitude of departments across campus, especially the Jerry Falwell Library and The Graduate School or without the guidance and support of the Research Week Advisory Board.

Get ready to be inspired!

Sincerely,

Elisa Rollins

*Assistant Vice Provost for the Quality Enhancement of Undergraduate Education
Director, Center for Research & Scholarship*

KEYNOTE SPEAKER

We are pleased to announce that Dr. Todd Zakrajsek, an associate professor and associate director of the Faculty Development Fellowship in the UNC School of Medicine, will be the 2018 Research Week and BigSURS keynote speaker, a joint event planned for Saturday, April 14, at 2 p.m. in the Center for Music and the Worship Arts, Concert Hall.

The Magic of Discovery: How Research Changes Everything

Research happens throughout our lives. Think of all the times in your life you have systematically investigated topics to expand your level of understanding. Dropping cereal as an infant we test gravity, determining how much rain is falling we learn when to wait versus when to run, and testing types of requests we find the best results in permission to use the family car. When we move from advancing our own knowledge to advancing the knowledge of the society the methods become more sophisticated and the procedures more refined, but we are still doing the same thing. We form good questions, and then we investigate. Increasingly bigger questions require increasingly better research. What might be influenced from future research projects? I see no limits there.

Please see pages 17-18 of the program for additional details.



MONDAY, APRIL 9

8:30-10 a.m. &
11:30 a.m.-5 p.m. Jerry Falwell Library, Esbensshade Upper Atrium
Registration

8:30-10 a.m. Jerry Falwell Library, Esbensshade Lower Atrium
Poster Set-Up

12:40-1 p.m. Jerry Falwell Library, Esbensshade Lower Atrium
Welcome by CRS and Research Week Advisory Board

1-4 p.m. Jerry Falwell Library, Esbensshade Lower Atrium
Poster Session
(See pages 5-8 for list of presenters)

TUESDAY, APRIL 10

10 a.m.-3:30 p.m. Jerry Falwell Library, Esbensshade Upper Atrium
Registration

Noon-3 p.m. Jerry Falwell Library
Oral Presentations
Residential and Online: Undergraduate & Graduate
(See pages 8-10 for list of presenters)

WEDNESDAY, APRIL 11

9-10 a.m. & 11:30 a.m.-5 p.m.	Jerry Falwell Library, Esbenshade Upper Atrium Registration
Noon- 3 p.m.	Jerry Falwell Library Oral Presentations Residential and Online: Undergraduate & Graduate (See pages 10-12 for list of presenters)
Noon-1:30 p.m.	Center for Music and the Worship Arts, Concert Hall Performing Arts Presentations
2 p.m. - 5 p.m.	Jerry Falwell Library, Esbenshade Lower Atrium Poster Presentation Pick-Up

THURSDAY, APRIL 12

10 a.m.-5 p.m.	Jerry Falwell Library, Esbenshade Upper Atrium Registration
Noon-3 p.m.	Jerry Falwell Library Oral Presentations Residential: Undergraduate & Graduate (See pages 12-13 for list of presenters)
3:15-5 p.m.	Jerry Falwell Library, Terrace Conference Room Three-Minute Thesis Competition (See page 14 for list of presenters)

Event Locations:

Active Learning Classroom – JFL 171
Terrace Conference A – JFL 001A
Terrace Conference B – JFL 001B
Scholars Lounge – JFL 380

MONDAY, APRIL 9

1-4 p.m.

Jerry Falwell Library, Esbenshade Lower Atrium
Poster Sessions: Undergraduate & Graduate

- **Dominique Richburg and Olushola Olaitan Ogunleye**
Socioeconomic Status and Barriers Influencing Healthcare Access among Hispanics in Central Virginia
- **Connor Weisman and Julia Jackson**
Student Population Awareness and Utilization of University Provided Mental Health Resources
- **Matthew Russell**
Parameter Analysis of an Adaptive, Fault-Tolerant Attitude Control System Using Lazy Learning
- **Madison Groat**
The Effect of Personality as Indicated by the Myers Briggs Type Indicator on an ASL to English/English to ASL Interpreted Product
- **Caleb Alley and Mariam Asper**
Use of Themed Occupational Therapy to Treat Assisted Living and Nursing Home Patients as an Alternative to Traditional Rehabilitative Therapy
- **Martha Mabilia and Olushola Olaitan Ogunleye**
Weight Perception Among Rural Middle-School Children, Gratiot County, Michigan, 2015: Associations with BMI and Weight Goal
- **Christopher Floyd**
A Mediation Model Linking Divine Struggles, Seeing God as Cruel or Distant, and Depression
- **Arielle Driggers**
The Influence of Self-Esteem on the Relationship Between Perceived Addiction to Pornographic Materials and Spiritual Doubt
- **Elizabeth Van Doren and Grant Barkley**
An Exploratory Analysis of the Role of Self- Compassion and the Relationship between Religiosity and Depression
- **Joshua Brendible and My Viet Ha Nguyen**
An Exploratory Examination of Police Shooting Data
- **Derek Lillestolen**
Comparing Antibacterial Resistance in the United States, Sweden and Syria
- **Rebekah Morris and Carrie Logie**
An Exploratory Analysis of the Role of Self-Compassion and the Relationship Between Attachment and Body Appreciation
- **June Gill Park**
Electrocardiographic Effects of Acute Airway Obstruction
- **Mikalsh Beveridge**
An Exploratory Analysis on Self-esteem and Body Appreciation by the Moderation of Self-compassion
- **Erika Ziebart and Amanda Lovell**
Interpreting for the Deaf-Blind: Why There is a Lack of Interest
- **Nhat Quang Truong, Er Yearn Jang, and Jorge Tovar Castro**
Pyruvate

MONDAY, APRIL 9

1-4 p.m.

Jerry Falwell Library, Esbenshade Lower Atrium
Poster Sessions: Undergraduate & Graduate

- **Bethany Fox**
An Exploratory Study of the Role of Interpersonal Religious and Spiritual Struggle in the Relationship of Sexual Attraction and Religious Commitment
- **Karis Hicks**
The Positive and Negative Impacts of Sports on Collegiate Student Athletes
- **Hannah Defries, Alfonso Ochoa, Andrew Glover, Austin Rafoss, Benjamin Schmidt, Cameron Streeter, Danielle Corrigan, Eric Howard, Esteban Alvarez-Cespedes, Ethan Berry, Honglin Gong, Jackson Hedgepeth, Jacob Outten, Jared Haugen, Jason Tellers, John Ford, Joshua Torre, Julianna Wiseman, Kameron Rummel, Logan Martin, Luca Monacelli, Luke Biernacki, Luke Stacey, Matthew Detroye, Matthew Reynolds, Muyembe Mangi, Nehemiah Pratt, Peter Potecha, Rebecca Hall, Richard Hernandez, Stephen Liederbach, Tanner Moore, Tyler Keen, Tyrelle Slack, Wei Wang, William Day, and Yicheng Cui**
Magnetic Flux Density Sensor Analysis
- **Esteban Alvarez-Cespedes**
Tesla Hairpin Circuit
- **Olivia de Araujo, Jesse Hughes, Joshua Twiddy, and Liam Cusack**
Peaks of Otter Salamander (*Plethodon hubrichti*) Condition Declines along an Elevational Gradient
- **Haakon Nelson, Bethany Wildeman, and Katherine Bronson**
Characterization of the Peaks of Otter Salamander Microbiome as an Innate Defense against Emerging Infectious Diseases
- **Megan Duggins, Caleb Kellam, and Nicholas Eisele**
Prevalence and Infection Intensity of Fungal Pathogen *Batrachochytrium dendrobatidis* in the Eastern Newt (*Notophthalmus viridescens*) in Relation to Seasonal Change
- **Louis Paone**
Detection of Tetrahydrozoline in Urine by Gas Chromatography/Mass Spectrometry
- **Jesse Hughes, Joshua Twiddy, and Olivia de Araujo**
Genetic Variation Between Populations of *Plethodon hubrichti*
- **Hannah Defries**
Visible Light Communication Systems
- **Catherine Twomey, Casey Mahoney, and Micah Burnham**
Characterization of the Interactions Between the Resident Microbial Flora and Chytridomycoses in *Desmognathus fuscus* Communities of Central Virginia
- **Rachael Glavin**
A Preliminary Investigation of the Taxonomic Status of *Desmognathus monticola jeffersoni*
- **Kimberly Hamilton**
Complexes of Cellular Protein HAX-1 and Protein PA of the Influenza RNA Polymerase
- **Katlin Wildeman, Estefany Orellana, and Greta Penix**
Antimicrobial Activity of Modified Oregano Oil-based Compounds
- **Kimberly Hamilton**
Complexes of Cellular Protein HAX-1 and Protein PA of the Influenza RNA Polymerase
- **Kristin Jones**
The Mystery of the Cone Head Mummies: Human or Aliens?

MONDAY, APRIL 9

1-4 p.m.

Jerry Falwell Library, Esbenshade Lower Atrium
Poster Sessions: Undergraduate & Graduate

- **Ethan Chapmon, Alexis Valdes, and Jacob Drane**
Migration Dynamics of Northern Saw-whet Owls in the Inner Piedmont of Central Virginia
- **Addie Lauder and Thomas Walker**
HPLC Analysis of Amino Acids in Algae
- **Paul Savas**
Density-Functional Theory (DFT) Computations on Organic Semiconductors
- **Clark Eaton**
A Moderation Model Associating BAS and Emotional Intimacy with Stress Among Bi-Sexual and Heterosexual Women
- **Kristen John**
Gene Deletion in *Cryptococcus Neoformans* Using In-Fusion Technology
- **Noelle Addair, KaseyJo Wright, and Logan Goins-Phillips**
Potential Pro-Carcinogenic Suppression of Cytochrome P450 1A1 via the Acai Berry
- **Caleb Morgan and Ramzi Abbasi**
Inhibition of CYP3A4 and CYP2D6 by Diosmetin in Acai Berry
- **Hannah Philips and Emily Oglesby**
The *Cryptococcus Neoformans* Pyruvate Kinase PYK1 Influences Pathogen Interaction with Host Immunity
- **Alec Basile, Israel Parish, Joshua Hankey, and Samuel McIntyre**
Design and Synthesis of Non-Estrogenic Bisphenol A Mimics From Renewable Feedstocks
- **Anna Huebner**
The Development of a Fluorescent Calcium Indicator
- **Drake Donaldson and Heather Wilson**
Atomic Layer Deposition for Undergraduate Laboratory Curriculum
- **Corey Messer**
Glasses Project
- **Ruth Nair**
The Effects of Curcumin on *Aspergillus flavus*, An Opportunistic Fungus that Causes Invasive Aspergillosis.
- **Jillian Agyemang**
Glow Where You're Planted
- **Sarah Stewart**
How the Sexual Revolution Led to Abortion and a Loss of Emphasis on the Doctrine of the Image of God
- **Leon Edwards**
Implementation of UAVs in Wilderness Search and Rescue
- **Savannah Nalls**
Examining the Negative Impacts of Political Polarization: A Theoretical Approach to Elitism and Preemption
- **Tom Roberts**
Why the M1911 is the Most Dominant Pistol of the 20th Century

MONDAY, APRIL 9

- 1-4 p.m. Jerry Falwell Library, Esbenshade Lower Atrium
Poster Sessions: Undergraduate & Graduate
- **Zoe Sargent**
Autism Researched and Autism Lived: A Shifting Paradigm
 - **Michaela Frantz, Dayna Johnson, and Lauren Kenley**
Tolerating Ethical Ambiguity and Social Work Education
 - **Lauren Kapteyn**
Designing New Cell-Membrane Permeable Fluorescent Dyes
 - **Levi Schiefer, Albert Mutesa, and Lauren Clines**
Investigation of Estrogenic Nature of BPA Derivatives by a Yeast Assay and Structure-property Relationship Development of the Resultant Epoxy-resins

TUESDAY, APRIL 10

- Noon-3 p.m. Jerry Falwell Library, Active Learning Classroom, Scholars Lounge, Terrace Conference Room A/B
Oral Presentations
Residential and Online: Undergraduate & Graduate
- **Kevan Keane**
A Critical Examination of the Individual Mandate Provision of the Patient Protection and Affordable Care Act of 2010
Active Learning Classroom - Noon
 - **Olushola Olaitan Ogunleye, Jacqueline Mshamma, Martha Mabiala, and Roshan Purohit**
Risk Factors for Diarrhea Disease in East Africa and West Africa
Scholars Lounge - Noon
 - **Nicholas Losee, Dean Palmer, and Seth Marselus**
University Energy Demand Forecasting using Machine Learning: A Comparative Study
Terrace Conference Room A - Noon
 - **Ashley Moorman**
Algae Lipid Analysis Using Plastic Centrifuge Tubes
Terrace Conference Room B - Noon
 - **Kevan Keane**
Thomas Muntzer: A Revolutionary Prophetic Voice to Usher in the End of the Age
Active Learning Classroom - Noon
 - **Carl Baumann and Russell Page**
Transforming Safety in General Aviation Instructional Flying: Analysis of Fatal Accidents from 2010-2016
Scholars Lounge - 12:30 p.m.
 - **Miriam Fieger**
Effectiveness of Anti-Bullying Programs in Schools
Terrace Conference Room A - 12:30 p.m.

TUESDAY, APRIL 10

Noon-3 p.m. Jerry Falwell Library, Active Learning Classroom, Scholars Lounge,
Terrace Conference Room A/B
Oral Presentations
Residential and Online: Undergraduate & Graduate

- **My Viet Ha Nguyen**
Stress is Enhancing Mindset and Potential Links to Cardiovascular and Neuroendocrine Responses
Terrace Conference Room B - 12:30 p.m.
- **Kevan Keane**
No Room for Neutrality: The Polarizing Effects of New Liberalism on Education
Active Learning Classroom - 1 p.m.
- **Luke Fischer, Kaleb Bohrnstedt, Matthew Cooke, and Thomas Kepler**
A Stream Continuum Analysis of Bacteria Community Assembly in Association with Crayfish and their Symbionts
Scholars Lounge - 1 p.m.
- **Dominique Richburg and Olushola Olaitan Ogunleye**
Socioeconomic Status and Barriers Influencing Healthcare Access among Hispanics in Central Virginia
Terrace Conference Room A - 1 p.m.
- **Karl Lagrange Ocius, Eric Holland, and Zhuosong Xie**
Tandem Reaction: Synthesis of Substituted Benzaldehydes
Terrace Conference Room B - 1 p.m.
- **Kandy Crosby-Hastings**
The Caste of Poverty: Nineteenth Century Literature and the 1834 British Poor Laws
Active Learning Classroom - 1:30 p.m.
- **Caroline Williams, Abbie Suttle, Alexandra Reddy, Amanda Barker, Austin Minuto, Mackenzie Lecher, Nathan Chandler, Samuel Owens, and Shiloh Sooklal**
Low level Atrazine Exposure Effects on Crayfish Development
Scholars Lounge - 1:30 p.m.
- **Tram Nguyen**
Sex trafficking and Victim Blaming: Vietnamese Public's Perception of Trafficked Individuals
Terrace Conference Room A - 1:30 p.m.
- **Shiloh Sooklal**
Comparison of HPLC and GC-MS for Analysis of Atrazine
Terrace Conference Room B - 1:30 p.m.
- **Stacia Riccio**
He Blows Hot and Cold
Active Learning Classroom - 2 p.m.
- **Emily Pocius**
Identifying Predictors of Anaerobic Exercise Performance Using Body Composition Measurements
Scholars Lounge - 2 p.m.
- **Calista Kern-Lyons, Elizabeth Krantz, Emma Maurer, Jessica Grove, and Kyler Keeley**
A Phenomenology of the Current State of Drama Therapy
Terrace Conference Room A - 2 p.m.

TUESDAY, APRIL 10

Noon-3 p.m.

Jerry Falwell Library, Active Learning Classroom, Scholars Lounge,
Terrace Conference Room A/B
Oral Presentations
Residential and Online: Undergraduate & Graduate

- **Matthew Augusta, Jana Manning, and Mandy Morgante**
The Effects of Music on Maximal Anaerobic Performance
Terrace Conference Room B - 2 p.m.
- **Andrea Medero**
BMR Increases Average Power and Rate of Muscle Fatigue in Anaerobic Activity *Scholars Lounge - 2:30 p.m.*
- **Jonathan Powell, Calista Kern-Lyons, Erin Clarke, Karina Holt, and Katelynn Wortendyke**
Spiritual Development Among Christian Athletes at a Large Christian University
Terrace Conference Room A - 2:30 p.m.
- **Drake Donaldson and Heather Wilson**
Atomic Layer Deposition for Undergraduate Laboratory Curriculum
Terrace Conference Room B - 2:30 p.m.

WEDNESDAY, APRIL 11

Noon-3 p.m.

Jerry Falwell Library, Active Learning Classroom, Scholars Lounge, Terrace Conference Room A/B,
Center for Music and the Worship Arts, Concert Hall
Oral Presentations
Residential and Online: Undergraduate & Graduate
Performing Arts Presentations

- **Matthew Bovard**
Comfort, Comfort: Reexamining the Historical Context of Isaiah 40:1-11
Active Learning Classroom - Noon
- **Austen Haney**
Christ's Faith and Our Own
Scholars Lounge - Noon.
- **Cathryn Thomas, Britta Hinten, Evan Young, Lindsey Ball, Rebekah Sharpe, and Sarah Johnson**
A Piece of My Heart: Examining Healing Facilitated by the Performing Arts
Center for Music and the Worship Arts, Concert Hall - Noon
- **Joshua Ibanez**
Caffeine Improves Anaerobic Performance in 30s Wingate Test
Terrace Conference Room A - Noon
- **Caleb Brown**
Principles and Consequences in a Virtue Ethics Analysis of Affirmative Action
Terrace Conference Room B - Noon
- **Zoricelis Davila**
Discrimination Supervision Model
Active Learning Classroom - 12:30 p.m.
- **Caitlin Curtis**
United States Foreign Relations with Iran: 1946-1953
Scholars Lounge - 12:30 p.m.

WEDNESDAY, APRIL 11

Noon-3 p.m

Jerry Falwell Library, Active Learning Classroom, Scholars Lounge, Terrace Conference Room A/B, Center for Music and the Worship Arts, Concert Hall
Oral Presentations
Residential and Online: Undergraduate & Graduate
Performing Arts Presentations

- **Rebecca Edmiston**
Chopin's Fantasy in F minor: The Tragedy and Triumph of Poland
Center for Music and the Worship Arts, Concert Hall - 12:30 p.m.
- **Wiley Phillips, Daniel Ekoh, Ehizogie Adeghe, Esse Noudegbessi, Martha Mabilia, Olushola Olaitan Ogunleye, Roshan Purohit, and Sonia Gwaneza**
Patterns of Influenza-Like Illness and Vaccination Coverage on Liberty University's Campus
Terrace Conference Room A - 12:30 p.m.
- **Kelly Carapezza**
Animal Assisted Therapy: Fighting Symptoms of Post-traumatic Stress Disorder Among Law Enforcement Officers
Terrace Conference Room - 12:30 p.m.
- **Melanie Mott**
Voyage of the Guipuzcoa: How Trans-Imperial Networks Built the Spanish Slave Trade
Active Learning Classroom - 1 p.m.
- **Lura Martinez**
Mussolini's Italy: An Enigmatic Haven for the Jews of World War II
Scholars Lounge - 1 p.m.
- **Vhuthuhawe Madzingo**
Effects of Caffeine on Heart Rate Variability (HRV) at High Altitude
Terrace Conference Room A - 1 p.m.
- **Abby Lokkesmoe, Alexandra Karman, Allison Washburn, Amber Gonzalez, Geneva Lee, Gillian Oley, Kristin Jones, and Quinn Weinzapfel**
The Differences in Men and Women Senior Law Enforcement Leadership Style as it Relates to Subordinate Employee Job Satisfaction
Terrace Conference Room B - 1 p.m.
- **Kevan Keane**
Socialism in Theory and Practice: An Interdisciplinary Study Involving History and Political Science
Active Learning Classroom - 1:30 p.m.
- **Abigail Shimer**
The Wonderful War of Disney: Walt Disney and the Promotion of American Ideals in Cold War America
Scholars Conference Room - 1:30 p.m.
- **David Schlager**
Resolving Pitfalls in Mission Aviation Implementation
Terrace Conference Room B - 1:30 p.m.
- **Kevan Keane**
Good Character as the Foundations for Academic Success: A Case for Character Education
Active Learning Classroom - 2 p.m.

WEDNESDAY, APRIL 11

- Noon-3 p.m. Jerry Falwell Library, Active Learning Classroom, Scholars Lounge, Terrace Conference Room A/B, Center for Music and the Worship Arts, Concert Hall
Oral Presentations
Residential and Online: Undergraduate & Graduate
Performing Arts Presentations
- **Mitchell Gehman**
The Steel Wall of England: The Curious Case of the English Knight During the Hundred Years' War
Scholars Lounge - 2 p.m.
 - **Sarah Blanke**
Paper Silhouettes: An Applied Study of Recycled and Unconventional Materials in Couture Fashion Design
Terrace Conference Room A - 2 p.m.
 - **Mark Myrdal**
Laying Aside Vanities: Neil C. Macdonald and the Nonpartisan League
Scholars Lounge - 2:30 p.m.

THURSDAY, APRIL 12

- Noon-3 p.m. Jerry Falwell Library, Active Learning Classroom, Scholars Lounge, Terrace Conference Room A/B
Oral Presentations
Residential and Online: Undergraduate & Graduate
- **Cindy Payne**
Teach-Back Methodology to Improve Patient Satisfaction in an Urgent Care Setting
Active Learning Classroom - Noon
 - **Delynn Burrell**
Misfits or Aces: The Story of the Black Sheep Squadron in World War II
Terrace Conference Room A - Noon
 - **Allie Kapus**
Topic and Tone in Perelandra and "The Naked Seed" as Revelatory of Lewis the Man
Terrace Conference Room B - Noon
 - **Hannah Lynch**
How to Make it as a Maker: Maximizing Customer Experience to Increase Brand Value in the Saturated Marketplace of Paper Goods and Gifts
Scholars Lounge - 12:30 p.m.
 - **Matthew Zuehlke**
The Plot to Land a Bishop: Religious Opposition in 18th Century America
Terrace Conference Room A - 12:30 p.m.
 - **Steven Sherlin**
Historical Influence Project: George Olden
Scholars Lounge - 1 p.m.

THURSDAY, APRIL 12

Noon-3 p.m.

Jerry Falwell Library, Active Learning Classroom, Scholars Lounge,
Terrace Conference Room A/B
Oral Presentations
Residential: Undergraduate & Graduate

- **Garrett Johnson**
Einstein's Dreams: A Thought Experiment on Humanity's Perceived Control of Time
Terrace Conference Room A - 1 p.m.
- **Greta Rogers**
Quintessential Eliot: Elemental Imagery in The Waste Land
Terrace Conference Room B - 1 p.m.
- **Matthew Wilson**
Cold Blooded: Pet Store Branding Focused on Edgy Lifestyle Design
Scholars Lounge - 1:30 p.m.
- **Stephen Davis**
Presidential Prosecution: Thomas Jefferson and the 1807 Treason Trial of Aaron Burr *Terrace Conference Room A - 1:30 p.m.*
- **Jonathan Smith**
The Logical Interplay of C.S. Lewis's Moral Argument and the Problem of Evil: How the Moral Argument Combats the Problem of Evil
Terrace Conference Room B - 1:30 p.m.
- **Mitchell Gehman**
The Steel Wall of England: The Curious Case of the English Knight During the Hundred Years' War
Scholars Lounge - 2 p.m.
- **Ryan Weaks**
Our Father: A Comparative Analysis of La Oracion Primera al Hacedor and the Lord's Prayer
Terrace Conference Room A - 2 p.m.
- **Andrew Watkins and Harley Holman**
Analyzing the Effects of Glass Cockpit Avionics on Pilot Safety as Compared to Conventional Avionics
Terrace Conference Room B - 2 p.m.
- **Mary Prather**
Examining D-503: Modernity's Dystopia of Knowing Oneself and Being Known
Terrace Conference Room A - 2:30 p. m.
- **Devonte Narde**
Understanding Muhammad's Interaction with the Church
Terrace Conference Room B - 2:30 p.m.

THURSDAY, APRIL 12

3:15-5 p.m. Jerry Falwell Library Terrace Conference Room A/B
Three-Minute Thesis Competition

Three-Minute Thesis (3MT®) celebrates the exciting research conducted by Ph.D. students around the world. Developed by The University of Queensland (UQ), the competition cultivates students' academic, presentation, and research communication skills. Presenting in a 3MT competition increases their capacity to effectively explain their research in three minutes, in a language appropriate to a nonspecialist audience.

This will be an opportunity for Liberty's master's and doctoral students to concisely summarize and clearly communicate a well-conceived thesis/dissertation project, compelling data collected, and a novel story that represents their research. This years participants are listed below:

- **Christy Vaughan**
Reignite Educational Excellence
- **Hannah Lynch**
How to Make it as a Maker: Maximizing Customer Experience to Increase Brand Value in the Saturated Marketplace of Paper Goods and Gifts
- **Ryan Phelps**
Why Jokes are Funny and the Language of the New Testament
- **Joseph Wright**
Application of Narrative Principles to Effectively Communicate Through Graphic Design
- **Doug Taylor**
One from the Beginning
- **John Johnson**
Effects of Condensed Project Life Cycles in the U.S. Consumer Ready Meat Industry
- **Isaac Seo**
Made in the Image of God Who Speaks, Shows, and Stays: The Theological Anthropology of Carl F. H. Henry

RECOGNITION OF JUDGES

We would like to extend a special thank you to all of our faculty judges. The success of this event would not be possible without your willingness to volunteer your time to our students.

Shanna Akers

Stacey Bose

Diane Bridge

Lauren Daly

Brianne Friberg

Jonathan Giles

Cynthia Goodrich

Scott Hayes

Ben Kalu

Tonia Kennedy

Monique Maloney

Kimberly Mitchell

Mitchell Morrison

Paul Muller

Eva Palmer

Leo Percer

Nathan Putney

Jillian Ross

Anita Satterlee

Cynthia Schmidt

Lucinda Spaulding

Tess Stockslager

Robert Talley

Ashley Tharpe

Brian Walsh

Joshua Waltman

RESEARCH WEEK ADVISORY BOARD

The Center for Research & Scholarship would like to express special appreciation to the faculty and student members of the Research Week Advisory Board. This expertise of this board guides the application processes, judging criteria and rubrics, and the presentation guidelines to ensure that Research Week is a successful event each year that aligns with the mission of CRS to champion research and scholarship at Liberty University.

Sean Beavers

David DeWitt

Michael Hart

Matalie Howard

Sam Landa

Monique Maloney

My Nguyen

Estefany Orellana

Barbara Potts

Michael Price

Carey Roberts

Martin Sheldon

Josh Waltman

Darren Wu

Genesis Yazon

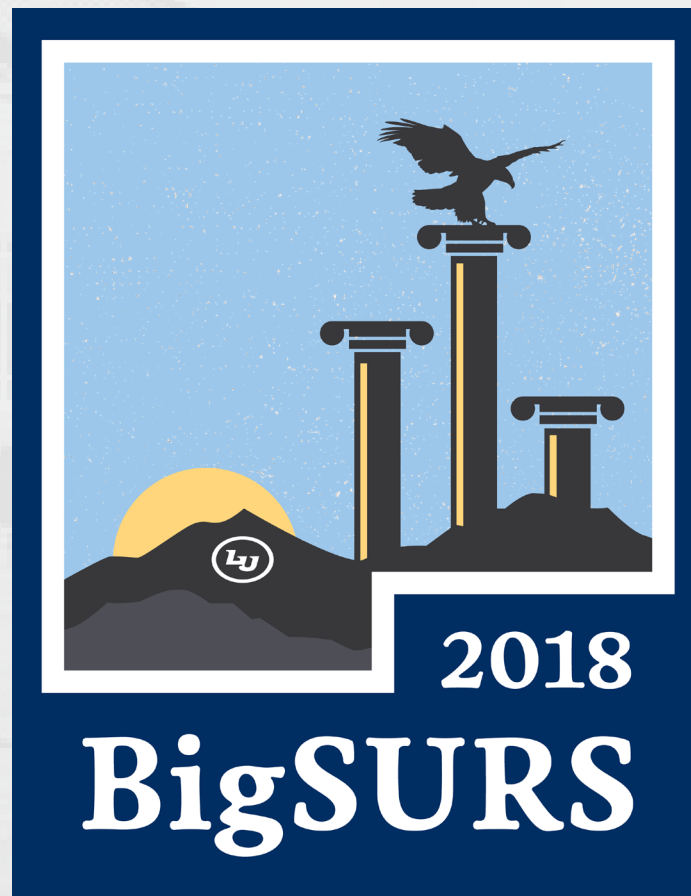
INVITATION TO BIGSURS

Join us on Friday, April 13- Saturday, April 14, as Liberty University hosts the Big South Undergraduate Research Symposium (BigSURS), where you will experience inquiry sparking innovation and see your peers conquering some of the world's greatest challenges.

At this unique intercollegiate event, student researchers from across all disciplines will share innovation, creativity, and originality as they showcase their work from the many different career fields, ranging from the arts, to the sciences, to historical investigations, marketing campaigns, sciences, and many more.

We're excited to host this event, supporting undergraduates in their research and stepping into our mission to "impact the world."

For information on the program of events, including this event's keynote speaker, Dr. Todd Zakrajsek, please visit Liberty.edu/BigSURS2018.



KEYNOTE SPEAKER BIO



Dr. Todd Zakrajsek is an associate professor and associate director of the Faculty Development Fellowship in the UNC School of Medicine. Dr. Zakrajsek has founded or reconfigured, and then directed, centers for teaching and learning at UNC-Chapel Hill, Central Michigan University, and Southern Oregon University (where he also taught as a tenured associate professor of psychology). His current academic work and publications pertain to faculty development, effective instructional strategies, and student learning. Dr. Zakrajsek has published extensively on the topic of effective teaching and served on many educational boards and work groups across the U.S. and abroad (including, Microsoft, the Gates Foundation, Harvard, Lenovo Computer, and the American Council on Education). He has been a visiting professor, workshop facilitator, or delivered keynote addresses at approximately 300 campuses, health care organizations, and teaching conferences in 46 states, 11 countries, and four continents.

Todd's recently co-authored and edited books include "Syllabus as a Course Design Tool" (2018); "Dynamic Lecturing: Research-based Strategies to Enhance Lecture Effectiveness" (2017); "Teaching for Learning: 101 Intentionally Designed Education Activities to Put Students on the Path to Success" (2015); and "The New Science of Learning: How to Learn in Harmony with Your Brain" (2013). Todd recently signed with Stylus Publishing to serve as the series editor of a 10-Volume "Excellent Teacher Series."

He earned a B.S. in psychology from Lake Superior State University and a Ph.D. from Ohio University in industrial/organizational psychology.

Todd currently directs five National Lilly Conferences on Evidence-Based Teaching and Learning, a Faculty Learning Community Institute, and an International Summit on Advancing Teaching and Learning in Higher Education.

LIBERTY
UNIVERSITY

CENTER *for* RESEARCH
& SCHOLARSHIP

TRAINING CHAMPIONS FOR CHRIST SINCE 1971