

FRANKLIN COLLEGE

Scholar's Day & IHE Symposium

Friday, May 6, 2022



SCHEDULE OF EVENTS

Click on the blue session heading to be taken to the page for that session.

WELCOME

President Prather

IHE Introduction:

Dr. Arbin Thapaliya, Chair and Assistant Professor of Physics

8:45-8:55 AM

Chapel

SESSION 1

IHE Presentations

9:00-9:50 AM

Chapel

SESSION 2

IHE Presentations

Senior Research Panel: Humanities and Social Sciences

Psychology Senior Capstone Research Projects

PhysiObotics: Fun Physics with Robots

Explainer Videos on Physiological Concepts

Exercise Science Senior Research Posters

10:00-10:50 AM

Chapel

SC 254

Sci 104A

Sci 104B

HamONE

HamONE

FEATURED SPEAKER

Welcome:

Dr. Kristin Flora, Vice President of Academic Affairs and Dean of the College

Introduction:

Dr. Alli Fetter-Harrott, Associate Professor of Political Science and Williams Chair of Law and Public Service

Beserat Debebe, founder of Etan Comics

11:15-12:15 PM

NSC Branigin Room

SESSION 3

IHE Presentations
Senior Seminar in English
Data Science Models in Major League Baseball
Ultrasonography
Childhood and Adolescence Research Posters
Biology Research Posters

1:30-2:20 PM

Chapel
SC 245
Sci 104A
Sci 104B
Skyway
Sci Foyer

SESSION 4

Creative Writing Portfolio Readings
Health Sciences Research Panel
Senior Software Development Project Demonstrations
Serving Nonprofits through Digital Fluency
Effects in Cognitive Psychology Interactive Poster Session
Biology Research Posters
Extraction and Preparation of Hadrosaur Vertebrae

2:30-3:20 PM

Ham Auditorium
Sci 104A
Sci 104B
SC 254
SC Atrium
Sci Foyer
Sci 129

SESSION 5

Modern Language Senior Presentations
Franklin Recollections Oral History Project
Biomechanics Demonstrations
Social Connections and Wellbeing during the Pandemic
Chemistry Research Posters
Biology Research Posters
Diagramming America Posters

3:30-4:20 PM

SC 254
SC 245
Sci 104B
SC Atrium
Sci Foyer
Sci Foyer
HamONE

CLOSING SESSION

Celebration of Seniors

4:30-5:00 PM

Chapel

STUDENT CREATIVE EXPRESSION

Student Art Exhibit May 4-13
Spring Choral Concert May 7, 7:30 PM

JCFA
Spurlock Center

Featured Speaker

Beserat Debebe, founder of Etan Comics

Beserat Debebe is the founder of ETAN COMICS, a Pan-African publishing platform bringing African stories to life using comics & graphic novels.

After coming to the US, he got his bachelor's in Aerospace Engineering from the University of Maryland and a Master's in Business Administration from Indiana University Bloomington. In 2017, his love for visual storytelling led him to a partnership with a diverse group of African artists and the publication of HAWI, JEMBER, and ZUFAN. The comics have been featured on prominent sites like BBC, ComicsBeat, OkayAfrica, etc...and nominated for Best Graphic Novel awards. ETAN COMICS continues to publish African graphic novels as a 100% community-funded company and continues to help Black and Brown kids stay connected with their heritage through exciting stories!

SESSION 1 9:00-9:50 AM

IHE STUDENT PRESENTATIONS		Location: Richardson Chapel
<i>Birth, family, and childhood</i>	Moderator: Jaydn List	Faculty: Fetter-Harrott, Thapaliya
Amy Garrido-Portillo	“Childhood marriage in Pakistan”	
Claire Sampson	“Indigenous birth stories: Intersection of traditional practices and contemporary medicine in Canada”	
Paul Klaeren	“Education, testing, and competition in South Korea”	
Annah Elliott	“Efforts to fight child trafficking in Nigeria: Local, national, and international response”	

SESSION 2 10:00-10:50 AM

IHE STUDENT PRESENTATIONS		Location: Richardson Chapel
<i>National policies</i>	Moderator: Jaydn List	Faculty: Fetter-Harrott, Thapaliya
Shelby Keith	“Influences on wolf reintroduction policy in Japan”	
Ashley Geldmeier	“Origins of chaos in Afghanistan”	
Jack Goodhue	“The <i>Great Resignation</i> in global context”	
Cara Mullen	“The origins of the Democratic Republic of Korea and the Republic of Korea: Independent states”	

SENIOR RESEARCH PANEL: HUMANITIES AND SOCIAL SCIENCES		Location: SC254
Makiah Thomas	“Lynching in Marion, Indiana”	Faculty: Clark-Wiltz
Kathryn Lauer	“Exploring a Feminist Theory of Religion”	Faculty: Alexander
Avery Auton	“Assessing Anti-Competitive Behavior in United States Healthcare”	Faculty: Smith

PSYCHOLOGY SENIOR CAPSTONE RESEARCH PROJECT		Location: Sci 104A
Britney Ballard Madison Pifer Annaleah Urton Aaron Waire	“Subtitles and Their Impact on Emotion”	Faculty: Rush
Mercedee Covault Andres Guerra Allyssa Harmon Bridget Lindstrom	“The Sticker of Me: The Influence of Gender Norms on Self Expression”	Faculty: Rush
Vincent Fletcher Jennifer McGuire Katy Poff John Svinarich	“Keep Talking or the Screen Explodes: The Relationship Between Communication, Personality, and Stress”	Faculty: Rush

Cont. PSYCHOLOGY SENIOR CAPSTONE RESEARCH PROJECT			Location: Sci 104A
Kitley Kern Shannon Spears Lindsey Wakefield	"A Coping Mechanism: How Nostalgia Affects State Anxiety"		Faculty: Rush
EXPLAINER VIDEOS ON PHYSIOLOGICAL CONCEPTS			Location: HamONE
Hannah Asher Ethan Corwin Abigail Hensley Faith Jackson Ellie Lammert Savannah Shadday Chelbie Anderson Kayla Bruner Hunter Hatfield Emma McLeish Samantha Phillips	Jaden Baker Gabe Crutchfield Ashlyn Hill Roth Kessler Parker Montgomery Blake Stack Tiana Arthur Alex Cummings Colin Higdon Lucas Paddock Heidi Williams	Levi Byrne Andres Guerra Chloe Holder Misti Kimberlin Baleigh Riddle Damian Tillie Derek Baldin Jarrett Gibson Karli Manship Gavin Parker Noah Wood	Faculty: Noerr
EXERCISE SCIENCE SENIOR RESEARCH POSTERS			Location: HamONE
Sydney Logsdon Madalynn Bright Gace Vicars Samantha Hinkleman	"Post COVID-19 Syndrome and ECG Abnormalities Before, During, and After Exercise"		Faculty: Noerr
Annie Coy Rhegan Day Chelsie Whorton	"Comparing the Differences of Effects of Blood Flow Moderation on Lower Body Strength and Hypertrophy in Men and Women"		Faculty: Noerr
Lucas Kline Zachary Tutrow Jessica Nix Sydney Rose	"Comparing the Amount of Force Stress Produced by Various Pitches on the Elbow Joint in Collegiate Baseball and Softball Players"		Faculty: Noerr
Anthony Ruhana Elijah McDonald Ryan McGillem	"The Effect of Blood Flow Moderation and Movement Time"		Faculty: Noerr
Bennett Beyl Angel Tapia Tanner Swindle Wyatt Carmack	"Effects of Music on Upper Body Strength Endurance"		Faculty: Noerr
PHYSIOBOTICS: FUN PHYSICS WITH ROBOTS			Location: Sci 104B
Lora Adkins Haley Card Madeleine Ferrell Kayli Liles Carter Terrell	Jill Anspaugh Kameron Case Madison Giddens Ashlynn Meadows Kara Woodard	Britany App Timber Falin Aaron Hollis Andrew Montgomery	Faculty: Thapaliya

SESSION 3 1:30-2:20 PM

IHE STUDENT PRESENTATIONS			Location: Richardson Chapel
Cultural Practices	Moderator: Jaydn List	Faculty: Fetter-Harrott, Thapaliya	
Elizabeth M. Sekhon	"The origin of Gospel music in African American culture"		
Nolan Cook	"Origins of rap music in the United States: An industry of identity"		
Shea Reynolds	"Ma'atkare: The Noblest of Women"		
Phebe Wolf	"The origin of Ancient Greek medicine and its impact on modern day medicine"		
Padgett Hedger	"The Italian Renaissance"		
SENIOR SEMINAR IN ENGLISH			Location: SC 245
Olivia Eaker	"Redefining Ancient Women: The Effects of Heroines in Euripides's <i>The Trojan Women</i> "		Faculty: Phillips
Maggie McComas	"Mad or Dead: Consequences for Semi-Women in the 19 th Century"		Faculty: Phillips
Kara Simon	"The Gothic Male's Power Trip: Femininity as a Tool of Terror and Control"		Faculty: Phillips
DATA SCIENCE MODELS IN MAJOR LEAGUE BASEBALL			Location: Sci 104A
Henry Davidson	Rylee Elder	Alex Frey	Faculty: Boardman
Billie Jarrett	Trey Jones	Austin Sewell	
Tristan Vincz	Brooks Wathen		
CHILDHOOD AND ADOLESCENCE RESEARCH POSTERS			Location: Skyway
Cici Bailey	Libby Baker	Hannah Beck	Faculty: Bromley
Bennett Beyl	Aaron Black	DJ Brady	
Kylie Brattain	Jalen Brown	Gage Burk	
Madisyn Challis	Addison Charles	Amber Dawson	
Emma Gentry	Leah Green	Bri Herzog	
Kahari Jackson	Nathaniel Jarboe	KJ Jennings	
Annie Kluemper	Ashton Lisby	Delaney McCafferty	
Jon Moore	Samantha Phillips	Mia Turnbaugh	
BIOLOGY RESEARCH POSTERS			Location: Sci Foyer
Taylor Tatlock	"Red Wolves in Great Smoky Mountains National Park"		Faculty: Heikens
T.J. Cox	"Brook Trout in the Great Smoky Mountains"		Faculty: Heikens
Claire Cherry	"Bears in Great Smoky Mountains"		Faculty: Heikens
Kathryn Lauer	"Hemlock Woolly Adelgids in the Smoky Mountains"		Faculty: Heikens
Grace van Kan	"Hemlock Woolly Adelgid"		Faculty: Heikens
Andrew Montgomery	"Elk of the Great Smoky Mountains: Overcoming Extinction"		Faculty: Heikens

Cont. BIOLOGY RESEARCH POSTERS		Location: Sci Foyer
T.J. Cox Taylor Tatlock	“Changes in Population Ecology of Beechdrops in Hougham Woods Biological Field Station”	Faculty: Heikens
Evan Hosea	“Population Ecology of Cancer-root at Blossom Hollow Nature Preserve”	Faculty: Heikens
Kathryn Lauer	“Rare Plant Research for the Indiana Native Plant Conservation Alliance”	Faculty: Heikens
Blake Talbert Drew Deppe	“Fungus Among Us: Mushroom of Blossom Hollow”	Faculty: Heikens
ULTRASONOGRAPHY		Location: Sci 104B
Makayla Plymale August Proctor	” Effects of Pitching on Collegiate Female Softball Pitcher’s Pectoralis Major, Deltoid and Blood Flow”	Faculty: Thapaliya/Mahoney
Hailey Gilbert Chesney Loehr Landon Tak	“Study of effects of consuming natural vasodilators using ultrasound”	Faculty: Thapaliya/Mahoney
Rutendo Nyamadzawo Nhi Tran Devin Wilham	“Effects of caffeine on blood flow, arterial size, and oxygen saturation level”	Faculty: Thapaliya/Mahoney
Morgan Curtis Rhegan Day Garrett House	“Effects of Blood Flow Restriction Training (BFR) on Brachial Artery Size and Blood Flow”	Faculty: Thapaliya/Mahoney

SESSION 4 2:30-3:20 PM

CREATIVE WRITING PORTFOLIO READING		Location: Ham. Aud.
Kitley Kern	Kara Simon	Faculty: Moody
HEALTH SCIENCES RESEARCH PANEL		Location: Sci 104A
Jordan Johnson Kara Woodard	“Vascular Supply of the Ulnar Collateral Ligament in Collegiate Baseball Players Compared to Healthy Controls”	Faculty: Thapaliya/Williams
Kameron Case	“Post-Covid Effects on Heart Rhythms in College-Aged Students”	Faculty: Noerr
SERVING NONPROFITS THROUGH DIGITAL FLUENCY		Location: SC 254
Cambria Caldwell Lindsey Walker Peighton Zebrowski Sophie Taylor Toni Schmitt	Alivia Brewer Kaycie Buennagel Kinley Harmon Matt Krause	Mercedee Covault Olivia Saylor Alivia Brown Collin Barton
SENIOR SOFTWARE DEVELOPMENT PROJECT DEMONSTRATIONS		Location: Sci 104B
Michael Ellis Zachary Wiley	Bryce Listner	Cameron Shake Faculty: Beasley

BIOLOGY RESEARCH POSTERS		Location: Sci Foyer
Tyler Wick Taylor Tatlock Regina Olsen Shelby Keith	“GIS Analysis of Urban Mallard Habitat in Indiana”	Faculty: O’Neal
Jason Pigg Claire Cherry	“GIS Analysis of Agricultural Conservation in Indiana”	Faculty: O’Neal
Weston Deshon	“GIS Analysis of Recruitment within Division III Athletics”	Faculty: O’Neal
Landon Tak Terry (TJ) Cox	“GIS Analysis of Water Quality in Indiana and Possible Impacts to Human Health”	Faculty: O’Neal
Drew Deppe Christian (Blake) Talbert	“GIS Analysis of Mushroom Distributions in Indiana”	Faculty: O’Neal
Makayla Plymale Qasim Elhabrush	“Effect of Climate on the Timing of Monarch Migration”	Faculty: O’Neal
Hailey Gilbert Chesney Loehr Alyssa Nelson	“The impact of native forage and rotational grazing practices on sheep parasite loads”	Faculty: O’Neal
Timber Falin Makayla Plymale Madison (Lexi) Giddens Samantha Pankratz Elaina Connell Hailey Gilbert Chesney Loehr Alyssa Nelson Samantha Schick Isabel Sanchez	“The impact of native forage on sheep health in a rotational grazing system”	Faculty: O’Neal
Evan Hosea Alyssa Nelson Taylor Tatlock	“Urban Goose Ecology and Management”	Faculty: O’Neal
EXTRACTION AND PREPARATION OF HADROSAUR VERTEBRAE		Location: Sci 129
Jada Gaskin Terry Cox	Allison (Alli) Gootee James (Jimmy) Phillips	Faculty: O’Neal
COGNITIVE PSYCHOLOGY INTERACTIVE POSTER SESSION		Location: SC Atrium
Gage Burk Mackenzie Watson	“Sensory Memory”	Faculty: Rush
Logan Demkovich Alex Reinoehl	“Insight Learning”	Faculty: Rush
Josh Folkestad	“Motion After Affects”	Faculty: Rush
Kendall Griffen Kosmo Wojack	“Limits of Short Term Memory”	

SESSION 5 3:30-4:20 PM

MODERN LANGUAGES SENIOR PRESENTATIONS		Location: SC 254
Anissa Edwards	“Rebellious Students: Cries of the Revolution”	Faculty: Wasielewski
Carolina Puga Mendoza	“Two Countries, One Battle: Cinco de Mayo and a Forgotten Legacy”	Faculty: Wasielewski
Hope Shrum	“Simone Veil: A French Voice for the Unheard and Underprivileged”	Faculty: Wasielewski
FRANKLIN RECOLLECTIONS ORAL HISTORY PROJECT		Location: SC 245
Sydney Barnett	Clayton Black	Cooper Davis
Samuel Erickson	Hannah Friend	Maxwell Johnson
Josie Lyons	Dillon Neel	Nicholas Patton
Shea Reynolds	Claire Sampson	Schmidt, Orrin Ray
Jack Sells	Landon Shoaf	Mason Tharp
BIOMECHANICS DEMONSTRATIONS		Location: Sci 104B
Andy Pollert Elijah McDonald Ryan McGillem Zachary Tutrow	“Effects of Lower Body Exercise on Gait”	Faculty: Heavrin
Samantha Hinkleman Angelina Gregory Caileigh McCafferty Jaycee Wilburn	“Effects of Visual Impairment on Running Gait”	Faculty: Heavrin
Angel Tapia Tysen Lipscomb Lukas Kline Tanner Swindle	“Effects of Field Sport Footwear Type on Lateral Jumping Kinematics”	Faculty: Heavrin
Jessica Nix Chelsie Whorton Rhegan Day Morgan Curtis	“Effects of Ankle Braces on Gait”	Faculty: Heavrin
Rebecca Pfiefer Sydney Rose Bayleigh Torrance Abigail Holmer	“Effects of Visual Impairment on Walking Gait”	Faculty: Heavrin
Bennett Beyl Aaron Black Chase Miles	“Effects of Two Versus Three-Point Sprint Stances on Sprint Start Performance”	Faculty: Heavrin
Wyatt Carmack Keegan Siegfried Tyler Welty	“Effect of Walking Cast on Gait”	Faculty: Heavrin

SOCIOLOGY RESEARCH POSTERS		Location: SC Atrium
Lauren Burkner Cody Russell Corbin Lee Jacob Tharp Kaycie Buennagel Olivia Saylor Victoria Simmons Case Starkey Jackson Young	“Social Connections and Wellbeing During the Pandemic”	Faculty: Tang
CHEMISTRY RESEARCH POSTERS		Location: Sci Foyer
Rutendo Nyamadzawo	“Comparison of Vulcanized Vegetable Oils for the Chelation of Metals”	Faculty: P’Pool
Hailey Gilbert Chesney Loehr Tom Shrader	“Instrumental optimization for analyzing salicylic acid as an analog for atrazine in polluted water samples”	Faculty: Florian
Thomas Witham	“A Labview-based user friendly PC program for Raman Spectrum Processing”	Faculty: Wei
Ashlynn Meadows	“A home-made UV-Vis spectrometer”	Faculty: Wei
Nhi Tran	“A home-made UV-Vis spectrometer”	Faculty: Wei
BIOLOGY RESEARCH POSTERS		Location: Sci Foyer
Lora Adkins Carley Bond T.J. Deere	“Design and expression of recombinant kinesin proteins to detect autoregulatory mechanisms”	Faculty: Yount
Landon Tak	“Detecting a Protein-Microtubule Interaction”	Faculty: Yount
Britany App August Proctor Morgan Nelson	“Wild Avian Microbiota”	Faculty: Harris
DIAGRAMMING AMERICA POSTERS		Location: HamONE
Avery Auton Pen Bailey Lily Benefiel Emily Doffin Piper Gaul Jack Goodhue Paige Hedger Kalijah Hessig	Maggie McComas Abby Moore Samantha Pankratz Logan Parker Andrea Rahman Makalynn Schmidt Hannah Vatland Natalie Venable	“Diagramming America” Faculty: S. Crisafulli

STUDENT CREATIVE EXPRESSION

Student Art Exhibit	May 4-13	Location: JCFA
Spring Choral Concert	May 7, 7:30 PM	Location: Spurlock Center