

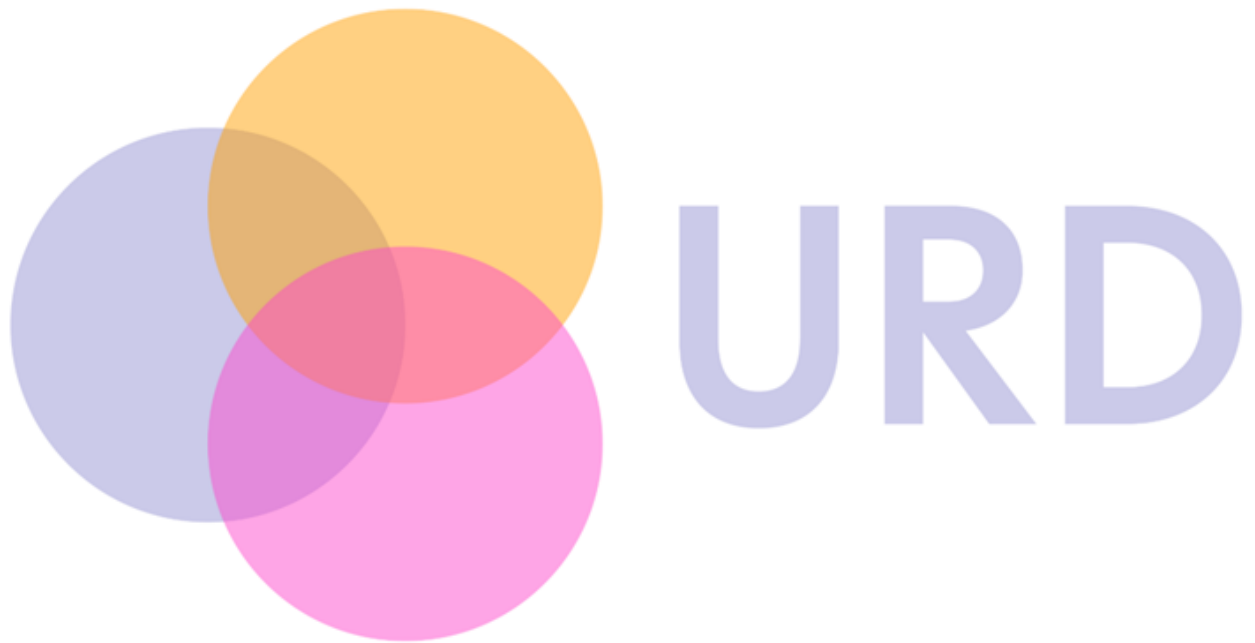
*APRIL 11, 2023*

**11TH ANNUAL**  
**YHO**  
**UNDERGRADUATE**  
**RESEARCH DAY**



# URD at a Glance

	SUBER	HATCHER	CHAPEL	GALLERY	THEATRE	PLANETARIUM
8:00-8:20am 8:20-8:30am	<i>Gathering</i> <i>Welcome in Suber Banquet Hall</i>					
8:30-9:45am SESSION 1	communication studies presentations	history, creative writing, biology presentations				
9:45-10am	<i>Head towards our other venues! (see venue map)</i>					
10-11am SESSION 2			PIANO + CREATIVE WRITING 10-10:20am Emma Pullium, piano (HONORS THESIS) 10:20-11am Creative Writing Showcase	VISUAL ART Senior presentations: 10-10:30am Lilly Black 10:30-11am Karah Shea + Senior Thesis Exhibition (all day)	THEATRE 10:00-11am scenes from <i>And Then We Saw the Stars Again – A Devised Play</i> followed by Q&A	PLANETARIUM 10:30-11am <i>Saturn's Exoplanet Laboratory: Titan</i> by Indy Ayers (CAPSTONE + HONORS THESIS)
11-11:15am	Rollins Campus Center Lobby: YHC Wind Ensemble – <i>Movie Musical Interlude</i>					
11:15-12:15 SESSION 3 (PLENARY)	<p><b>**PLENARY SESSION in SUBER Banquet Hall**</b></p> <p>Recognizing the value of undergraduate research at YHC. Honoring student participants, Distinguished Research Scholars, and Ledford Scholars</p> <p><b>Keynote Alumni Panel:</b> <i>Alumni Wisdom: Connecting your Scholarly Experiences at YHC with Life After Graduation</i></p>					
12:15-1pm	~ lunch on your own ~					
1-2:15pm SESSION 4	biology presentations	English presentations	theater, visual arts, & comm. studies presentations	Senior Thesis Exhibition		
2:15-2:30pm	Rollins Campus Center Lobby: Altitunes performance – <i>Brandon McDuff's arrangements</i>					
2:30-4pm SESSION 5	psychology presentations	English presentations		Senior Thesis Exhibition		
4-5:15pm SESSION 6	<p>FINAL SESSION: <b>POSTER SESSION</b> <i>all disciplines</i> Rollins Campus Center 1<sup>st</sup> floor, mezzanine, and 2<sup>nd</sup> floor</p>					



11<sup>th</sup> Annual  
Young Harris College  
Undergraduate Research Day

April 11, 2023

8:20 Welcome – Suber Banquet Hall

## **SESSION 1**

8:30am-9:45pm in Rollins Campus Center

### **SESSION 1: SUBER BANQUET HALL**

*communication studies*

(moderator: Nathan Gray)

8:30-8:45: Nonverbal communication regarding leaders of different cultures. Riley Fields.\* (Jennifer Hallett).

8:45-9am: Instagram usage and spiral of silence on Instagram stories. Sarah Beth Williams.\* (Ambyre Ponivas).

9:00-9:15am: The effects of clothing and first impression. Alex Boydstone.\* (Jennifer Hallett).

9:15-9:30am: Proxemic Zones: An evaluation of gender differences in proxemic violations. Rebekah Hubley.\* (Jennifer Hallett).

9:30-9:45am: Effectiveness of fear appeals within low perceived susceptibility participants. Spencer E. Mathis.\* (Ambyre Ponivas).

\* denotes student researcher; ( ) denotes faculty sponsor

## **SESSION 1: HATCHER DINING ROOM**

*creative writing, biology, history*

(moderator: Linda Jones)

8:30-8:45am: Deep south ghost folktales and popularized stories. Katherine Wright.\* (Jen Julian).

8:45-9:00am: Determining the effects of green tea extract, quercetin, and epicatechin on cell proliferation and lactate levels in mouse hepatocytes. Kiera E. Lewis\* and Jennifer C. Schroeder.

9:00-9:15am: An investigation of xenophobic violence in Eastern Germany; the experience of guest workers in formerly divided Germany. Sarah Mele.\* (Larissa Stiglich).

9:15-9:30am: How the COVID-19 Pandemic changes the meaning of life? A survey approach. Riccardo Sambugaro\* and Yang Jiao.

9:30-9:45am: Fascism's grasp and devastation on Argentina. Luke Surowiec.\* (Kevin Geyer). HONORS THESIS.

# SESSION 2

10 – 11am

venues around campus

## SESSION 2: CAMPUS GATE

*senior thesis presentations*

(moderator: Ted Whisenhunt)

10-10:30am: Lilly Black (Graphic Design Major) presents thesis and work, LaCroix Brand Revival.

10:30-11am: Karah Shea (Graphic Design/Fine Arts Double Major) presents "Identifying Symbolism Through Works of Art" as seen in her body of work.

*ALL DAY AT CAMPUS GATE (Apr 10-May 3): The Senior Thesis exhibition is the culmination of the BA in Fine Art and Graphic Design major and in which artists and designers explore their creative practice and exhibit a body of work. This year, the Department of Art celebrates the work of Chayil Aponte, Lilly Black, Jordan Campagnolo, Kinberlynn Castilla, Thomas Evans, Caterina Ferreira, Ashley Murray, Kyla Rivers, and Karah Shea as evidence of their achievement and continuing promise.*

## SESSION 2: DOBBS THEATRE IN GOOLSBY CENTER

*theatre presentation*

10-11am: scenes from *And Then We Saw the Stars Again: A Devised Play*

Cast:

Avery Lester

Kat Miller

Lydia Mohr

Montaeo Bailey

Jeanacris Thomas

Chris Say

Katie Horsley

Cara Mackey

## **SESSION 2: SUSAN B. HARRIS CHAPEL**

*capstone and piano performance; Creative Writing Showcase*  
(moderator: Gale Thompson)

10-10:15am: Colors of the year: the fusion of performing, visual, and literary art in Fanny Mendelssohn's *Das Jahr*. Emma C. Pullium.\* (Kevin Geyer). HONORS CAPSTONE INCLUDING PIANO PERFORMANCE.

10:15-11am: Creative Writing Showcase.  
Readings from Addisyn Clapp,\* Elias Godman,\* Jason Anderson,\* Hannah Elliot,\* Genevieve Roy,\* Katie D'Ambrosio,\* Livi Lobst,\* and Abbie Hill.\* (Jen Julian and Gale Thompson).

## **SESSION 2: Rollins PLANETARIUM in MAXWELL CENTER**

*capstone and planetarium presentation*  
(moderator: Lauren Albin)

10:30-11am: Saturn's Exoplanet Laboratory: Titan. Indiana N. Ayers.\* (Brian Hoffman and Kevin Geyer). HONORS CAPSTONE INCLUDING PLANETARIUM DISPLAY.



### **YHC Wind Ensemble - Movie Musical Interlude**

Rollins Campus Center Lobby

11:00-11:15am: *The YHC Wind Ensemble will perform a selection of themes from movie soundtracks including Harry Potter, Robin Hood Prince of Thieves, and Amadeus.* Sarah Carver,\* Ella Casey,\* Leah Harp,\* Isabella Rousseaux,\* and Anthony Stevenson\* (Cheryl Star).

# **SESSION 3**

## **PLENARY SESSION**

11:15am-12:15pm in Suber Banquet Hall

11:15am

Welcome

Dr. Amy Boggan, Director of Undergraduate Research Day  
Undergraduate Research at YHC

Dr. Jen Julian, YHC Director of Undergraduate Research  
Special Recognitions

- Distinguished Research Scholars - Dr. Jen Julian
- Ledford Scholars and the Appalachian College Association - Dr. Jason Pierce, Provost

11:35am Keynote Alumni Panel

(moderator: Amy Boggan)

*Alumni Wisdom: Connecting your Scholarly Experiences  
at YHC with Life After Graduation*

### **KEYNOTE ALUMNI PANELISTS**



COURTLAND WALTERS graduated from YHC in 2016 with a B.A. in Music and earned an M.A. in Music from Eastern Illinois University in 2018. Since graduation, he has gone on several national and international music tours and worked with organizations such as El-Live Music Productions, Orchestra Noir, MARTA Artbound, and Songs for Kids, among others. Aside from corporate live performance, he has also made a name for himself and his business as a solo artist, private music instructor, piano technician, and bandleader of both of his own groups, Drivin 75 and Subject to Change.

CODY MASHBURN graduated from YHC in 2017 with a B.S. in Psychology and a minor in Philosophy. Before finishing his degree at YHC, he received an REU (research experiences for undergraduates) fellowship from the National Science Foundation to conduct research at Western Kentucky University. He is currently pursuing a PhD in cognition and brain science at Georgia Tech with a minor focus in quantitative psychology. Cody's research involves individual differences in human attention, intelligence, and working memory. His work is published in journals such as the *Journal of Experimental Psychology: General*, *Intelligence*, *Psychological Bulletin*, and the *Journal of Applied Research in Memory and Cognition*.



MIKAYLA ESCAMILLA graduated from YHC in 2020 with both a B.S. in Outdoor Leadership and a B.S. in Management. Since graduation, she has been working for Clemson University's Youth Learning Institute. She is currently a Program Director in the Upstate region of South Carolina. Her main duties are to organize and run an overnight STEM summer camp

for 9 to 15-year-olds as well as run weekend programming for academically talented High School students during the school year. Mikayla is also pursuing her Masters in Youth Development Leadership through Clemson while working full-time for the Youth Learning Institute. She will graduate in August 2024.

BRICE AUSTIN graduated from YHC in 2021 with a B.S. in Psychology and a minor in Spanish. During his time at YHC, he played baseball and was a founding member of the Theta Chi Colony of Young Harris. Since graduation, he has continued working at LaPrades Marina on Lake Burton where he is the Marina Operations Supervisor. He is currently pursuing his masters in professional counseling with a certification in sports counseling at Truett McConnell University and plans to graduate by the summer of 2024. After graduation, he plans to work at a private practice and use his sports counseling certification to do consulting work.



# LUNCH ON YOUR OWN\*\*

12:15-1pm



\*\*Since there are no talks in Suber Banquet Hall during lunch, it's a good time to check out the **Women in Design Collaborative Posters** installation. This was a collaborative effort between 15 students in Women and Art and 12 students in Digital Arts II.

You can also peruse any posters on the Rollins Campus Center 1<sup>st</sup> floor, mezzanine, and 2<sup>nd</sup> floor that may have already been posted in anticipation of the poster session later this afternoon.

## SESSION 4

1pm-2:15pm

### **SESSION 4: SUSAN B. HARRIS CHAPEL**

*theatre, visual arts, & comm. studies*

(moderator: Mary Brink)

1:00-1:15pm The Evolution of Skills Through Training in the BFA Musical Theatre Program. Montaeo Bailey.\* (Kevin Geyer).  
HONORS THESIS.

- 1:15-1:30pm: Exploring the uniqueness of different Last Judgements. Luke Harvey.\* (Mary Brink).
- 1:30-1:45pm: The femme fatale in film noir: Barbara Stanwyck's Phyllis Dietrichson in "Double Indemnity", Billy Wilder (1944). Alyssa Makina.\* (Mary Brink).
- 1:45-2pm: Defining personhood for the Teen Titans 2003 animated series. Bryanna N. Meister.\* (Chris Lay).
- 2:00-2:15pm: The representation of social media influencers on TikTok during the COVID-19 pandemic. Morgan D. Terrell.\* (Matt Smith).

## **SESSION 4: HATCHER DINING ROOM**

*English and creative writing*

(moderator: Clara Busby)

- 1:00-1:15pm: William B. Yeats's Influence on Ireland's National Identity. Madison J. DuPriest\* (Ruth Looper).
- 1:15-1:30pm: "You needn't be scared. I ain't crazy": Sarah Penn's calculated revolt in Mary Wilkins Freeman's "The Revolt of Mother." Amber N. Jackson.\* (Eloise Whisenhunt).
- 1:30-1:45pm: The Waves We Radiate. Indiana N. Ayers\* (Gale Thompson).
- 1:45-2pm: Camp Meriwether Magic. Katie L. Horsley\* (Jen Julian).
- 2:00-2:15pm: A Study of the Naming Folklore surrounding Blood Mountain. Eli Smith-Foot.\* (Jen Julian).

## SESSION 4: SUBER BANQUET HALL

*biology*

(moderator: Jenn Schroeder)

- 1:00-1:15pm: Effectiveness of quercetin in lowering AhR activation in cells treated with extracts from charcoal-grilled foods. Emma K. Brennan\* and Jennifer C. Schroeder.
- 1:15-1:30pm: Effects of Cannabidiol and Omeprazole on Intracellular Lactate Levels in Mouse Liver Cells. Madeline Deaton\* and Jennifer C. Schroeder.
- 1:30-1:45pm: Building neural networks: Mathematical principles and implementations. Joshua Petteno'.\* (Chris Sass).
- 1:45-2:00pm: Optimization of bioethanol production from kudzu, *Pueraria montana*. Jordan T. Pandolph,\* Suzanne E. Moore,\* Charles D. Swor, and Andrea L. Kwiatkowski.
- 2:00-2:15pm: Terrestrial isopods of Young Harris College, GA and their distribution based on disturbance with additional notes on *Ligidium elrodii* morphology. Caleb G. Thompson\* and Kevin Geyer. DISTINGUISHED RESEARCH SCHOLAR



### **Altitudes Interlude**

Rollins Campus Center Lobby

- 2:15-2:30pm: *The Altitudes will perform a selection of Brandon McDuff's vocal arrangements.* Brandon McDuff,\* Michael Crouse,\* Justin Spano,\* Sarah Carver,\* Sophie Burnette,\* Savannah Chapell,\* Bethany Allison,\* Sienna Nason,\* Jordan Sharp,\* Alana Murdock,\* and Sebastian White.\* (Jeff Bauman).

# **SESSION 5**

2:30pm-4pm

## **SESSION 5: HATCHER DINING ROOM**

*English and creative writing*

(moderator: Kevin Geyer)

2:30-3pm: Language and Medieval Literature: Interpreting Sovereignty in Geoffrey Chaucer's "The Wife of Bath's Tale" and "The Wedding of Sir Gawain and Dame Ragnelle." Abigail C. Hill.\* (Matt Bruen, Kevin Geyer, & Daniel Helbert). CAPSTONE + HONORS THESIS.

3:00-3:30pm: "Print of the living foot": William Faulkner's "The Bear" through an ecocritical lens. Malia C Little.\* (Eloise Whisenhunt). CAPSTONE + HONORS THESIS.

(3:30 pm: *move to Suber Banquet Hall*)

## **SESSION 5: SUBER BANQUET HALL**

*psychology*

(moderator: Ben Van Dyke)

2:30-2:45pm: The relationship between mental illness and gun violence in America: a short literature review. Hannah R. Behner\* and Julie E. Delose. DISTINGUISHED RESEARCH SCHOLAR.

2:45-3pm: How student organizations, belongingness, and Covid-19 interact. Emma Hambrick\* and Benjamin Van Dyke.

3:00-3:15pm: The Effects of Distraction and Perceived Observer Empathy on Cold-Water Pain. Henrik L. Timgren\* and Ben P. Van Dyke.

3:15-3:30pm: The relationship between body image and perception of others with dieting beliefs: An empirical research study. Hannah R. Behner\* and Amy L. Boggan. DISTINGUISHED RESEARCH SCHOLAR.

3:30-4pm Musical components and their impact on perceived exertion: An examination of tempo, lyrics, synchronicity, and preference. Leanna M. Wood\* and Amy L. Boggan. CAPSTONE + HONORS THESIS. DISTINGUISHED RESEARCH SCHOLAR.

## **SESSION 6**

POSTER SESSION FEATURING ALL DISCIPLINES

4pm-5:15pm

Rollins Campus Center 1<sup>st</sup> floor, mezzanine, and 2<sup>nd</sup> floor

- 1.The Psychology of Movement and Character. Avery H. Lester\* (Anne Towns).
- 2.A Study on Disciplines, Stress, Mood, Academic Performance, and Exercise. Avery H. Lester,\* Ashley N. Palmateer,\* Christopher C. Jones,\* Piper J. Fendley,\* and Benjamin P. Van Dyke.
- 3.Investigating whether or not Young Harris College Greek Life Alcohol Consumption is More Than Those Not in Greek Life. Ashley N. Palmateer\* and Benjamin P. Van Dyke. LEDFORD SCHOLAR.

4. Investigating the Effect of Cold-Pressor Pain on Cognitive Performance. Cassidy B. Campbell,\* Ashley N. Palmateer,\* Gracie J. Hix,\* and Benjamin P. Van Dyke. DISTINGUISHED RESEARCH SCHOLAR.
5. How does the presence or absence of personality disorders affect incarceration rates? Janna C. Otting\* and Benjamin P. Van Dyke.
6. Influences of Parental Style on Behavior of School Aged Children. Hadley M. Smith\* and Benjamin P. Van Dyke.
7. Most effective note-taking for academic performance: handwritten vs. typed. Piper Fendley\* and Benjamin P. Van Dyke.
8. What is Qualitative Inquiry? Exploring Different Ways of Studying the World. Janie Jones\* (Joseph Pate).
9. The role of resilience in how people respond to feedback. Michael A. Buehring,\* Amy L. Boggan, and Julie E. Delose.
10. Examination of perceived stress and workplace satisfaction among YHC faculty & students. Christopher C. Jones\* and Benjamin P. Van Dyke.
11. The prevalence of stress, anxiety, and depression in Young Harris College athletics. Ryann G. Haly\* and James R. Thomas.
12. Effect of a calming intervention on sleep quality, total sleep time, and wellness among college students. MaryKate E. McKenzie\* and Amy L. Boggan.
13. Study of parabens in various cosmetic products using UV/VIS Spectrometer. Helen R. Hudgins,\* Noah Noonan,\* Madisen Tolbert,\* and Amanda Song.

14. The Immediate Effects of Beta-Alanine on Sports Performance in Young Harris College Students. Gracie J. Hix and Bryce T. Parrish.\* (Paul Arnold).
15. The effect of delta-8 and delta-9 tetrahydrocannabinol on the developmental morphology of zebrafish. Cynthia A. Jackson\* and Linda G. Jones.
16. A literature review of the brain-gut-microbiome axis. Trinity Aycock,\* Travis Burnette,\* Cassidy Campbell,\* Lauren Cooper,\* Will Ferebee,\* Emily Flynt,\* Gwenyth Gibbons,\* Jessica Jaruszewski,\* Haylee Lloyd,\* Mirian Santiesteban-Pizarro,\* Victoria Shanahan,\* Madisen Tolbert,\* and Linda G. Jones
17. Effects of Type I Diabetes on the health of athletes gut microbiomes. Erika Williams\* and Andrea L. Kwiatkowski.
18. Analysis of Terrestrial Isopod Genus Ligidium Distribution Over Time in Europe. Caleb G. Thompson\* and Kevin M. Geyer. DISTINGUISHED RESEARCH SCHOLAR
19. The King James Witch Project. Katie Horsley.\* (Gina Dropp).
20. Kinesics and the Effect on Athletes Development and Perception. William Standard.\* (Jennifer Hallett).
21. Sarcasm among cultures. Adelynn J. White.\* (Jennifer Hallett).
22. Informing pedagogical practice through feedback and reflection. Patrick D. Allen.\* (Rinnel Atherton).

23. The Impact of Creative Practices and Flexibility on My Pedagogy. Laney Bradwell\* (Rinnel Atherton).
24. How Do Feedback and Reflection Inform Effective Teaching Practices? Annie D. Brooks.\* (Rinnel Atherton).
25. Informing my Educational Practice Through Feedback and Self-Reflection. Kimberly N. Petty.\* (Rinnel Atherton).
26. Pedagogical Practice Through Feedback and Reflection Through Content Knowledge and Learning Preferences. Hannah E. Smith.\* (Rinnel Atherton).
27. Informing pedagogical practice in relation to differentiation and critical thinking strategies. Shea Bayreuther\* (Rinnel G. Atherton).
28. Pedagogical practices of small group engagement and classroom consistency. Madalynn V. Thomas.\* (Rinnel Atherton).
29. Reflecting amongst Effective Teaching. Faith I. Sullens.\* (Rinnel Atherton).

## **2023 URD Graphic Design Promotion Artwork**

featured YHC URD design for 2023 (see program cover): Kyla Rivers

honorable mentions: Piper Fendley and Heather Parker, whose designs were featured in advertisements around campus

# ACKNOWLEDGEMENTS

All participants across the disciplines and their supporters

YHC Undergraduate Research Committee

Dr. Linda Jones

Dr. Jen Julian

Dr. Alex Barnes

Faculty teaching CURE and MRE courses,  
where curiosity transforms into research experiences

Faculty sponsors and collaborators/mentors

Our alumni panelists

YHC Arts & Assemblies

Faculty reviewers of abstracts for URD Conference

Faculty collectors of QEP data

URD session moderators

Faculty nominators of students for Distinguished Research Scholar  
& Ledford Scholar designations

YHC Office of Communications

YHC Office of Academic Affairs

Miller Library Staff

Information Technology staff

Rollins Campus Center facilities staff

Graphic designers of this year's digital art

Lillian Black, designer of URD logo and animation

Courtland Walters Musical Services

YHC Theatre faculty and students

Campus Gate Gallery Director Becky Miller

YHC Wind Ensemble

The Altitudes

Anyone inadvertently omitted







**MAIN  
ENTRANCE**

Campus  
Gate  
Gallery

O. Wayne Rollins  
Planetarium in  
Maxwell Center

purple:  
general  
parking

Rollins Campus Center:  
Suber Banquet Hall &  
Hatcher Dining Room

Susan B.  
Harris  
Chapel

Dobbs Theatre in  
Goolsby Center

**CONFERENCE VENUES**