SCHOLARS DAY

2015

PROGRAM OF EVENTS

THE CARL GOODSON HONORS PROGRAM WELCOMES YOU TO SCHOLARS DAY

THANK YOU FOR SUPPORTING THE HARD WORK OF OUACHITA’S SCHOLARS
Sigma Tau Delta Presents

SCOPE
Ouachita's Literary Magazine

Pick up a copy in the Walker Conference Center!
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Alpha Chi Inductions

Come to the purple tent on the lawn in the middle of campus to celebrate the initiation of our students into one of the nation’s top honor societies for all academic disciplines.

1:00-1:30
Poster Presentations

Group A
Riley-Hickingbotham Library
1:45-3:00

1. Stoni Butler, Jessie Little, Dustin Walter
   Too Tired to Think Outside the Box? An Analysis of Ego Depletion Effects on Creativity

2. Johnathan Boyce
   Ouachita Baptist University Black History

3. Zach Hawkins, Fawn Freeze
   Smart Pills: Used or Abused?

4. Talor Tartaglia, Natalie Bingaman, Taylor Graves
   The Acceptance of Deviance

5. Leslie Colbert, Haylee Garland
   Sizing Up the Competition

6. Morgan Asbill
   Fat Substitutions in Chocolate Cake

7. Jacob Clark
   Banana Bread for Diabetics

8. Emily Tual
   Sensory Evaluation of Donut Holes Prepared with Nondairy Milk Substitutions
9. **Lauren Dunklin**  
Sensory Evaluation of Fat Substitutions in Dark Chocolate Sugar Cookies

10. **Samantha Riggs**  
Variations for a Healthier Pecan Pie Muffin

11. **Alex Morrison, Brad Hunter Heird**  
Longitudinal Study Tracking the Body Mass Index of Children in Clark County, Arkansas

12. **Alli Goodson**  
Significance of Fat Substitutes in Red Velvet Cookies

13. **Blake Leisenring**  
Effects of Caffeine on Muscular Endurance

14. **James Nuells, Janet Ozmun**  
Significance of Stretching to Prevent Muscle Soreness

15. **Shelby Nowlin**  
Diabetic Friendly Banana Nut Bread

16. **Jennifer Bounds**  
Targeted Therapy of Ewing’s Sarcoma with Ajulemic Acid

17. **Neelie Lee, Jeb Little**  
Hypobaria Effects Growth of the Hypo-cotyledon and Roots and Reduces Photosynthesis in Young Arabidopsis
18. Sarah Rogers
   Porphyrin Derivatives and Photodynamic Therapy Effects on Triple Negative Breast Cancer

19. Jace Bradshaw
   Microwave Synthesis and Cytotoxicity Studies of Novel Amino-Substituted Chalcones and Their Fluorescein Conjugates

20. Logan Kuhn
   Influence of 3D Co-culture of Brain Tumor Cells and Endothelium on Communication and Stem Cell Status

21. Michael Rogers
   Computational Docking to Analyze Substrate Metabolism in CYP2E1

22. Nathan Hall
   Using Molecular Dynamics to Computationally Simulate Metabolic Enantiospecificity of CYP2C9

23. Rachel Tucker
   Synthesis and Photoxicity of a Novel Water-Soluble Porphyrin-Chalcone Complex

   Attachment Sites, Repetitive Elements, and tRNA in Cluster T Mycobacteriophages
25. Hannah Pagan, Meredith Bolin, Sam Wilson, Colby Smith, Foster Johnson, Nathan Terry, Alex Abbott  
   Analysis of Regulatory Elements in Cluster T Mycobacteriophages

   Validation of Putative Mycobacteriophage Promoters

27. Christopher Price, Jamie Barker, Kelley Ballard  
   The Effects of Ajulemic Acid on Metastatic Models in Ewing’s Sarcoma

28. Mattie Bogoslavsky, Phillip Avant  
   The Effect of Religion on Views toward Sexuality
Poster Presentations

Group B
Riley-Hickingbotham Library
3:15-4:30

1. **Logan Kuhn**
   Influence of 3D Co-culture of Brain Tumor Cells and Endothelium on Communication and Stem Cell Status

2. **Melissa Smith**
   Protein Brownies: Experience Food Science

3. **Dexter Carter**
   Sensory Evaluation of Key Lime Pie

4. **Tyler Fugere**
   Investigating the Mechanisms of Angiogenic Inhibition by Ajulemic Acid in Ewing’s Sarcoma

5. **Zachary White**
   IL-8 Expression in ES3 and CHP100 Cancer Cells in Response to AJA, CBD, and Hemp Oil

6. **Rachel Tucker**
   Synthesis and Photoxicity of a Novel Water-Soluble Porphyrin-Chalcone Complex

7. **Christopher Price, Chris Ballard**
   The Effects of Ajulemic Acid on Metastatic Models in Ewing’s Sarcoma
8. Brook East
   America Reads/America Counts Evaluation

9. Megan Trout, Sam Shull, Teiana Carter
   Mind over Media: A Study on the Effects of Social Networking

10. Kaylee Parrott
    Marriage Expectations

11. Alexander Chase Lashley, David Wray, Bobby Keller
    Ads in Politics: Evaluating Trust

12. Jami-Kenzie Lionberger
    Ouachita ROTC

13. Rachel Ewart, Morgan White, Hollan Van Horn
    The Influence of Female Social Clubs

14. Blake Bowen, Rebekah Holiman
    Beauty and the Assumption of Intelligence

15. Keely Howk, Christina Stephens, Nathaniel Shrader
    Ego Depletion and Complexity

16. Megan McLaughlin
    Scope

17. Zachary Fricke, Hannah Shull
    Don’t Feel Well? Change your Posture!
18. Daniella Brantey, Annie Lamers, Mackenzie Echols
   The Effects of Exercise on Stress

19. Alison Jennings
   The Climb of Interracial Marriages

20. Heidi Hughes
   Factors Affecting Attitudes Toward the Care of America’s Elderly

21. Lauren Powers, Elizabeth Baker
   The Effects of Social Media on Mood and Self-Esteem

22. Sara Driskill
   GIS Recruitment and Retention

23. Tripp Cecil
   Tommy John Surgery: Reconstructing the Pitchers Elbow
Recital

W. Francis Macbeth Recital Hall
Annie McMurray, Moderator
2:00

Chi il bel Sogno di doretta

_Giacomo Puccini_

_La Rondine_
Molly Salmon, Soprano
Susan Monroe, Piano

Dreamworld

Sean Jackson

I. Sleeping
II. Drive
III. Starlight
IV. Faerieland
V. Snow Dance
VI. Lake Princess
VII. Awake

Sean Jackson, Piano
Elizabeth Baker, Flute

Intermezzo in A minor and Capriccio in C-sharp minor from Acht Klavierstucke, Op. 76
Johannes Brahms
Courtney Stanage, Piano

Où va la jeune indoue from Lakmé
Léo Delibes
Jillian Turner, Soprano
Phyllis Walker, Piano
Catching Shadows
Chris Hogan, Marimba
Carter Harlen, Marimba
Abby Tipps, Percussion

Fantaisie Italienne
Chelsea Villanueva, Clarinet
Susan Monroe, Piano

Concerto No. 1, Mvt. 1
Seth Daniell, Horn
Susan Monroe, Piano

Trombone Daybreak
Jason Potts, Trombone
Susan Monroe, Piano

Always Better

Bridges of Madison Country
Esther Atkinson, Soprano
Susan Monroe, Piano

Sonata for Horn and Piano
Elizabeth Lawson, Horn
Susan Monroe, Piano

Avant de quitter ces lieux

Faust
Seth Russell
Susan Monroe, Piano
Theatre Scenes

Verser Theatre
Morgan Howard, Moderator
3:30

Barefoot in the Park
Neil Simon
Kenderick Scorza
Cami Willis

Antony and Cleopatra
William Shakespeare
Tyler Lewis
Kathleen Suit

Hamlet
William Shakespeare
Elijah Ash

Proof
David Auburn
Abby Root
Hailey Weiner

A Capella Tap Dance Solo
Stacy Hawking

A Midsummer Night’s Dream
William Shakespeare
Walter Dodd
Kenderick Scorza

Lost in Translation
Walter Dodd
Directed by: Stacy Hawking
Cast: Elijah Ash
Mattie Bogoslavsky
John Doss
Buzz Hardin
Justin Massey

(Talkback following Lost in Translation performance)
Art Exhibit Presentations

Rosemary Adams and Hammons Galleries

Hammons Gallery: Marissa Beckwith and J. Chase Brooks
(2:15-2:30)

Rosemary Adams Gallery – 1st Floor: Kathryn Coffey and Myca Nutt

Rosemary Adams Gallery – 2nd Floor: Cait Crowell and Lauren Perry
1:30  Macy Fouse
Uncovering the Truth of Argentina’s “Dirty War”

2:00  Kyle Hargis
Dissolving the Conflict: Why the Church Should Be More Open to Evolution

2:30  Madeline Martin Hargis
Interaction of Disease, Drugs, and Disposition in Ewing’s Sarcoma Patients

3:00  Brian Monk
Using Acute Promyelocytic Leukemic (APL) Cells to Test for Receptor Binding of Ajulemic Acid (AJA)

3:30  Haley Dahl
The Effect of Cannabinoids on Triple Negative Breast Cancer Cells

4:00  Sophie DeMuth
Content and Character: Modeling Christian Communication after Jesus’ Sermon on the Mount

4:30  Marissa Thornberry
In The Flesh: Fiction as an “Incarnational Art”
1:30 Hannah Gray Boren
Studying the Effects of Theraflu on the Growth of
*Selenastrum capricornutum*

2:00 Colby Smith
Using Golden Gate Assembly to Rapidly Create
Genetic Constructs for Transgenic Plant and
Promoter Analysis

2:30 Baronger Bieger
Thrilling Monotony: An Evolving Learner’s
Experience with Research

3:00 Hannah Diaz
The Effects of Modern History on Welsh Theology
Post-1904

3:30 Chloe Huff
Beauty is Born of the Rain: Walter Inglis
Anderson’s Art and Isolation

4:00 Kevin Jackson
The Hizmet Movement: Islam and Modernity

4:30 Sean Jackson
The Limbgate Diaries: A Short Horror Novel
Group C
Walker Conference Center C
Dylan Watson, Moderator
1:30-4:30

1:30  Jessie Little
Handedness: Does it Matter?

2:00  Kaiti Walker
Identification of the 16S Ribosomal Subunit of Unknown Bacteria Using Colony PCR

2:30  Dustin Walter
Understanding a Possible Wonder Drug: A Radial Diffusion Assay for the Rapid Evaluation of Antimicrobial Peptides

3:00  Bailey Chitwood
Bringing BPA to Light: Determination of Bisphenol A in Thermal Receipt Paper Water Samples and Lake Water Samples Using Fluorescence Spectrophotometry

3:30  Rachel Pruett
Ten Weeks with Green Beans… And Then Some

4:00  Emily Payne
The Cost of Being a Summer Camp Counselor

4:30  Katy Wood
A Comparison of How the United States and England Educators Teach Reading
Group D

Hickingbotham 200
Sara Cat Williams and Dylan Thomas, Moderators
1:30-4:00

1:30 **Allison Smith**
The Efficacy of EMDR: A Meta-Analysis of EMDR as Clinical Treatment

2:00 **Jake Kausler**
Natural Language Generation for Foreign Language Learning

2:30 **Anna Sikes**
Story-Based Spiritual Formation for College Students

3:00 **Jordan Burt**
Expression Analysis of a Glucose Oxidase Transgene in Tobacco

3:30 **Joseph Koon**
Gap Closure to Complete the Genome Assembly for Staphylococcus Agentis

4:00 **Molly Bowman**
Branding Across Borders
Presentations

McClellan Hall 205
Sammie Pascoe, Moderator
1:30-4:30

1:30 Treslyn Shipley
In the Beginning

1:45 Robert DeSoto
The Lotus Blooms: How Buddhism Spread

2:00 Joseph Hild
Christ and Krishna: The Crucial Differences

2:15 Michael Calhoun
The Nights: The Rise and Reach of Arab and Islamic Culture

2:30 Harry Lah
Textbooks and their Portrayal of Japan in World War II

2:45 Roxanne Easter
The Ouachita Murder(ers)

3:00 Abigail Fowler
Parisian American: Mary Cassatt’s Growth and Degas’s Influence
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<tr>
<td>3:15</td>
<td>McKenzie Berry and Erin Wilson</td>
<td>Leaning In</td>
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<td>3:30</td>
<td>Sara Cat Williams</td>
<td>Gathering Blue</td>
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<td>3:45</td>
<td>Kathryn Coffey</td>
<td>A Summer in Narnia</td>
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<td>4:00</td>
<td>Paige Onyuru</td>
<td>Drugs of the Future: Computationally Simulating the Metabolic Enantiospecificity of CYP2C9 Using Molecular Dynamics</td>
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<td>4:15</td>
<td>Barrett Gay</td>
<td>Editing: Why Does it Matter?</td>
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Presentations

McClellan Hall 206
Alex Holder, Moderator
1:30-4:15

1:30  Melody Page
The Journey of “Redemption”

1:45  Braeden Gregg
An Investigation in Crypto-Christian Faith in Japan

2:00  Melody Page
The Age-Old Battle: Nutrition v. Marketing

2:15  Tyler Coleman
Early Missions in Latin America

2:30  Tiffany Fagaly
“Holy Scriptures I” by Herbert: Romantic, Healing, and Warring

2:45  Kelsey Norton
How do the Big Five Personality Traits Relate to Brain Structure?

3:00  Ally Brasko
A History of the Meyers-Briggs Sixteen Personality Types
3:15  Tiffany Fagaly  
Which Brew for You? A Comparison/Contrast of Different Coffee Brewing Methods and Their Impact on the Experience

3:30  Melissa Smith  
Staying Healthy in Arkadelphia

3:45  Hannah Wright  
Four Blocks to Build the Wall: How Peter Sis Uses Different Mediums to Relate to Different Audiences

4:00  Kyle Lamothe  
Bardo Thodol: The Intermediate State According to Tibetan Buddhism
Presentations

McClellan Hall 207
Caroline Dunlap and Madeline Martin Hargis, Moderators
1:30-4:30

1:30 Erin Cheshire, Tori Clark, and John Doss
Sounds from Afar: an Introduction to Ethnomusicology

2:00 Cassie Young
Political and Cultural Symbolism in the Royal Arms of the United Kingdom and Pre-Union Scotland

2:30 Jean Eudes Benecyo
Shedding Some Light on Diabetes Mellitus

3:00 Joel Ubeda
Investigation of the Mechanism of Action of Ajulemic Acid Produces Its Anti-Cancer Effects on Ewing’s Sarcoma Cells

3:30 Emma Riley
Emma Lazarus

4:00 Allison Smith and Sara Cat Williams
Agreeableness, Conscientiousness, and Openness Have Important Emotional Correlates: Meta-Analysis of the Big Five Personality Traits and Affect
Presentations

Young Auditorium
Kaitlyn Clark, Moderator
2:00-4:00

2:00  Caddo River Oral History Project:
      Kaitlyn Clark, Joseph Koon, Jodie Webb,
      Jordan Burt

2:30  Developing Roots: Enactus Nationals Presentation 2015:
      Meredith Ellis, Griffin Peeples, Claudia Brizuela,
      Connor Van Hemert, Titus Brooks, Emily Long

3:00  OBU at Sundance Presentations

3:30  OBU at Sundance Presentations

4:00  Life as an OBU@NLC Student, Or What Do You Mean There’s No Cafeteria?
      Christian Gunter, Dillon Potter, Tiffany Fagaly,
      Tanner Bezet
Anatomy and Physiology students are using a stereoscopic 3D projection system and software called BodyViz to present real patient data in case study scenarios. Audience members will wear 3D glasses to view the body in ways not possible before while they hear about the diagnosis, prognosis, and treatment plans for patients’ scans of represented disease states.

2:00 – Jenna Hendry, Amanda Brooks, and Kayla Bullard
2:15 – Rachel Tucker, Hannah Kuhn, Jessica Hargis, and Mariah Gough
2:30 – Tori Pierceall, Emily Harris, Morgan Cummins, and Alex Bradley
2:45 – Rebekah Davis, Haley Wheeler, and R.J. Quilao
3:00 – Jessica Compton, Josh Rubin, Morgan Asbill, and Jessica Ashcraft
3:15 – Taylor Rutherford, Mariah Willis, and Madison Trussell
3:30 – Catarina deFigueiredo and Camila Ferreira
3:45 – Whitney Willis and Alyssa Stubblefield
4:00 – Jean Benecyo and Valarie Mansvetova

4:15 – Jayme Shell, Mackenzie Daugherty, Morgan Allen and Sarah Luttrell

4:30 – Taylor Campbell, Dana Hamilton, and Kaitlyn Jackson

4:45 – Breanna Harris, Haley Hickingbotham, James Nuells, and Devin Price
Acknowledgements

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The Honors Council

The Alpha Tau Honors Society
   Leadership and Volunteers