


2015

Scholars Day Program of Events 2015

Carl Goodson Honors Program
Ouachita Baptist University

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SCHOLARS DAY

2015

PROGRAM OF EVENTS

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**
Hypobaric 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 Phototoxicity of a Novel Water-Soluble
Porphyrin-Chalcone Complex
- 24. Joseph Koon, Tyler White, AlleaBelle Gongola,
Taylor Johnson, Nathan Malone**
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
- 26. Luke Fruchey**
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 Phototoxicity 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 Klavierstücke, 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

Eugene Bozza

Chelsea Villanueva, Clarinet

Susan Monroe, Piano

Concerto No. 1, Mvt. 1

Wolfgang Amadeus Mozart

Seth Daniell, Horn

Susan Monroe, Piano

Trombone Daybreak

Nicola Ferro

Jason Potts, Trombone

Susan Monroe, Piano

Always Better

Jason Robert Brown

Bridges of Madison Country

Esther Atkinson, Soprano

Susan Monroe, Piano

Sonata for Horn and Piano

Nikolaus Von Krufft

Elizabeth Lawson, Horn

Susan Monroe, Piano

Avant de quitter ces lieux

Charles Gounod

Faust

Seth Russell

Susan Monroe, Piano

Theatre Scenes

Verser Theatre
Morgan Howard, Moderator
3:30

Barefoot in the Park	Kenderick Scorza Cami Willis	Neil Simon
Antony and Cleopatra	Tyler Lewis Kathleen Suit	William Shakespeare
Hamlet	Elijah Ash	William Shakespeare
Proof	Abby Root Hailey Weiner	David Auburn
A Capella Tap Dance Solo	Stacy Hawking	
A Midsummer Night's Dream	Walter Dodd Kenderick Scorza	William Shakespeare
Lost in Translation	Directed by: Stacy Hawking Cast: Elijah Ash Mattie Bogoslavsky John Doss Buzz Hardin Justin Massey	Walter Dodd

(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**

Honors Theses

Group A

Walker Conference Center A

Libby Hilliard, Moderator

1:30-4:30

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"

Group B
Walker Conference Center B
Collin Battaglia, Moderator
1:30-4:30

- 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

- 3:15 McKenzie Berry and Erin Wilson**
Leaning In
- 3:30 Sara Cat Williams**
Gathering Blue
- 3:45 Kathryn Coffey**
A Summer in Narnia
- 4:00 Paige Onyuru**
Drugs of the Future: Computationally Simulating
the Metabolic Enantiospecificity of CYP2C9 Using
Molecular Dynamics
- 4:15 Barrett Gay**
Editing: Why Does it Matter?

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**

3D Case Study Presentations

McClellan Hall 100

Blake Bowen and Hannah Cook, Moderators

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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