


2013

Scholars Day Program of Events 2013

Carl Goodson Honors Program
Ouachita Baptist University

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SCHOLARSDAY

2013

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 Induction

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

1:00-1:30pm

Poster Presentations

Group A Riley-Hickingbotham Library

1:45-3:00

1. **Janeal Murphy, Sarah Moore** Willpower: Would YOU Conform?
2. **Lindsay Johnson** Identification and Morphological Characterization of Eleven Mycobacteriophages from Arkansas
3. **Trevor Meece** Genomic Analysis of a Mycobacteriophage identified in Arkansas
4. **Lauren Telford, Tiffany Ohman** The Walking Dead Meets Urie Bronfenbrenner
5. **Courtney Hemeyer, Matt Peckat** Constructing Specific Biological Parts Using Synthetic Biology
6. **Joyce Johnson** Sensory Evaluation of Cornbread Prepared with Sugar Substitutes
7. **Kara Reynolds** How Shoes Affect Balance and Posture
8. **Natalie Whisenant, Kate Collins** Survey of outdoor activities of Ouachita Students
9. **Andrew Russell** Ajulemic Acid as a Treatment for Cancer
10. **Jose Medina, Allison Smith** The Effects of Attractiveness and Education in Employment
11. **Colt Fason** An ACL Prevention Workout Plan to Reduce Knee injuries to Active Students and Athletes
12. **Mary Whisenhunt, Abbey Smith, Stephanie Simpson** Knowing is Not Enough
13. **Elizabeth Blankenship** Effects of Ajulemic acid on Thrombospondin Production in Ewing's Sarcoma
14. **Ryan Tibbets** Utilization of the Full Depth Squat and its Effect on Vertical Jump Performance

15. **Kristin Johnson, Stephen Raines** Quantifying Abiotic Stress Resistance in Tobacco Plants Constitutively Expressing a Glucose-Oxidase Transgene
16. **Carrie Lieblong** Toxicity of Aspirin to *Daphnia Magna*
17. **Dayla Brogdon, Morgan Pitchford** Effects of caffeine and Exercise on Attention
18. **Cody Stroud** Creation and Testing of an OBUPride Lysogen
19. **Thomas Boles** Positive Effects of Core Strength on the Performance of Football Players
20. **Austin Lindsey** Population Study
21. **Taylor Neeley** Modified Porphyrins for Photodynamic Therapy of Triple-Negative Breast Cancer
22. **Shelby McWhorter** Performance Enhancement of Softball Distance
23. **Jeremy Cooper, Mary Zucha, Holly Wray** The Relationship between Startle & Recall of Positive & Negative Words
24. **William Ball** Sampling of Mills Creek
25. **Kody Moffatt** Bio Mechanical Research in the Sport of Swimming
26. **Ramsey Vaughan** The Effects of Age on Skill Performance in Adolescent Gymnasts

Group B

Riley Hickingbotham Library

3:15-4:30

- 1 **Haley Fox, Chelsea Hill** Social Learning Theory
- 2 **Lindsay Johnson** Identification and Morphological
Characterization of Eleven Mycobacteriophages from
Arkansas
- 3 **Trevor Meece** Genomic Analysis of a
Mycobacteriophage identified in Arkansas
- 4 **Chelsea Morehead, Lindsey Upshaw**
Identification Among Individuals in Groups
- 5 **Sara Huneycutt, Caroline Gill** Anti-Tumor Effects
of Ajulemic Acid on the Ewing's Sarcoma Family of
Tumors
- 6 **Cara Cox** The Analysis of Bis-Phenol A in Water
Samples Using Solid-Matrix Fluorescence
- 7 **Teresa Mursuli** Does Kinesio Tape Help with The
Range of Motion of The Shoulder?
- 8 **Cody Webster** Transfection of PTEN into Tf-1a cell
lines
- 9 **Jena McCarty** Sensory Evaluation of Fudge Cake
Prepared with Various Fat Substitutes
- 10 **Ryan Newsom** Head and neck injury prevention
- 11 **Stephen Raines** Gene Expression Measured in
Transgenic N. Tobacum using RT-QPCR
- 12 **Aubree Fry** Calcium Fortification
- 13 **Akane Forbess** The effect of eating snacks on self-
esteem and future snack choice
- 14 **Ryan James** The Effects of Ajulemic Acid on VEGF
Production: Relevance to Angiogenic Potential in
Ewing 's Sarcoma
- 15 **Sunhye Kim** The Response of Arabidopsis thaliana
to light intensity and vector under simulated
microgravity
- 16 **Monica Smith** How Does Psychology Factor Into the
Rehabilitation of a Shoulder Injury?

- 17 **Brad Thomas** Intervention for College Aged Athletes
Experiencing Shoulder Pain Study
- 18 **Rebecca Zandstra** Bacillus Phage Hunt
- 19 **Meagan Stiles, Macy Fouse** Mood and Memory for
Congruent and Incongruent Stimuli
- 20 **Colby Petty, Amelia Lindsey** Interaction of
Phototropic and Gravitropic Responses of Arabidopsis
thaliana
- 21 **Whitney Collier** Effect of Hypobarica and Light
Intensity on Arabidopsis thaliana
- 22 **Gretchen Gosser** Food Choice and the Effect of
Peers
- 23 **Amberly Green** Summer 2012 Nutrition Education
- 24 **Kevin Tello** Difference Concussion Baseline
Measurements Between Male And Female College
Soccer Players

Recital

W. Francis McBeth Recital Hall
TJ Bailey, Moderator
2:00-3:00 PM

Piano Blues No. 1 Aaron Copland
Christopher Mazen, Piano, Senior

Sonatine Maurice Ravel
1. Modere
Jillian Turner, Piano, Sophomore

A Little Prayer Evelyn Glennie
Drew Ervin, Marimba, Sophomore

Novelette Op. 21, No. 1 Robert Schumann
Courtney Stanage, Piano, Sophomore

The Faces of Love Jake Heggie
1. I Shall Not Live in Vain
Molly Salmon, Soprano, Sophomore
Terri Lucas, Piano

Whoop Dee Doo! Dick Gallagher
Last One Picked
Chad Burris, Tenor, Sophomore
Phyllis Walker, Piano

Absolute Music Kassie Johnsen
Kassie Johnsen, Piano, Junior

Polichinelle Op. 3, No. 4 Sergei Rachmaninoff

Sean Jackson, Piano, Sophomore

Ordinary Days Adam Gwon

I'll Be Here

Hannah Garner, Soprano, Senior

Susan Monroe, Piano

Robert le diable Giacomo Meyerbeer

Robert, toi que j'aime

Bethany Swiontek, Soprano, Senior

Louis Menendez, Piano

Summertime George Gershwin

Bret Steed, Trombone, Junior

Brent Nessler, Tenor Saxophone, Junior

Drew Ervin, Drum Set, Sophomore

Justin Massey, Bass, Freshman

John Whitmore, Piano, Junior

Theatre Scenes

Verser Theatre
Sarah Davis, Moderator
4:00-4:30 PM

Newsies Alan Menken
That's Rich

Little Women Jason Howland
Days of Plenty
Lola McClendon, Mezzo-soprano
Terri Lucas, Piano

Funeral Parlor Christopher Durang
Marcus – Timothy Drennan
Susan – Gemma Guiomard

Summertree Ron Cowen
Young Man – Timothy Drennan
Young Woman – Gemma Guiomard

Much Ado About Nothing William Shakespeare
Act V, Scene III
Benedick – Timothy Drennan

Duck Pond Ara Watson
Rachel – Sarah Lynnette Davis
Elizabeth – Rachel Harris

Henry V
Act II, Scene I

William Shakespeare

Kathryn – Sarah Lynnette Davis
Alice – Rachel Harris

Buttons

Carl Sandburg
Sarah Lynnette Davis

Senior Exhibit Presentations

Verser and Hammons Galleries

3:00-4:00

- 3:00-3:15 **Nicole McPhate**
Hammons Gallery
“How Internships Shaped My
Education”
- 3:20-3:35 **Rebekah Poyner**
Verser Gallery
“Made Visible in Light”
- 3:40-3:55 **Courtney Sharp**
Verser Gallery
“Details Surfaced”

Honors Theses

Group A Walker Conference Center A

Danielle Moses, Moderator

- 2:00 **McCrae Jones**
Psychological Techniques in Jury Consulting
- 2:30 **Stacy Beck**
Networking and Revolution: How the Social
Media has shaped the Arab Spring
- 3:00 **Raley Howard**
The Making of *Erased*
- 3:30 **Jason Curlin**
This Frightful World

Group B

Walker Conference Center C

Alex Nelson, Moderator

- 2:00 **Kiley Gamble**
Neuroplasticity and Speech-Language
Pathology: What it Means for Language
Development and How to Apply it to Therapy
- 2:30 **Adam Curlin**
Effects of Antidepressant Metabolites on the
Fresh Water Algae, *Pseudokirchneriella*
subcapitata
- 3:00 **Charlton Diaz**
Exploring the Effects of Lead (Pb^{+2}) Toxicity
in *Drosophila melanogaster* Using Agilent
DNA Microarrays and Sociability Interaction
Testing
- 3:30 **Valerie Nickel**
The Influence of Coiled-coil Isoleucine Zipper
on the Trimerization and Endosomolytic
Activity of the E5-TAT-mCherry Protein

Performance Thesis

W. Francis McBeth Recital Hall

Sarah Davis, Moderator

3:00-3:30 PM

3:00 **Rachel Harris**

Going Mad: a Comprehensive Study of the Mad Scene in Gaetano Donizetti's opera, Lucia di Lammermoor: A Lecture-recital including historical background, musical analysis, character analysis, staging, costumes, and vocal performance

Actors, John Tneoh and Joel Rogier

Musicians, Elizabeth Baker and Drew Ervin

Presentations

McClellan Hall 205
Caitlyn Johnson, Moderator
2:00-4:15

- 2:00 Aaron Cooley**
“Confucian Influence on Chinese Government”
- 2:15 Katy Wood**
“Exploration of 2nd Grade CCSS for Reading”
- 2:30 Jake Sowell**
“Teacher Sexual Misconduct”
- 2:45 Shelby McAdoo, Brittany Proffer**
“John Locke’s Philosophy of Education”
- 3:00 Megan Massey**
“The Overtones of Instrumentalists and Their Personalities”
- 3:30 Maegan Hodge**
“Enriching Lives: Exploring the Benefits of Engaging in Meaningful Context”
- 4:00 Caitlyn Johnson**
“Seeing the World through Children’s Literature”

McClellan Hall 206

Ally Lemos, Moderator

2:00-3:15

2:00 Sophie DeMuth

“Cultural Exegesis of Muslim Immigrants in Southern France”

2:15 Ben Fryer

“Speaking Silently: Pictures over Words in ‘Stitches’”

2:30 Timothy Ferris

“The American Dream: Simple vs. Complex”

2:45 Lilia Sokolova

“Painting Towards Nirvana”

3:00 Hunter Wolf

“History of Economic Thought as Applied to Modern Economics”

Young Auditorium,
Hickingbotham Hall
Anna Wakeling, Moderator
2:00-3:30

- 2:00 Lindsey Fowler**
“TrustedWills.com: Providing Peace of Mind That is Truly Priceless”
- 2:30 *Enactus*: Judith Brizuela, Tanner Ward, Brittney Jones, Claudia Brizuela, Griffin Peeples, Jared Whisenhunt**
“OBU Enactus Annual Presentation”
- 3:00 Payam Pourjavad, Aarika Boggs, Arianna Tieppo, Matt McBride, Charles White, Mark E. Byrne**
“Controlled Drug Delivery from Therapeutic Contact Lenses: the Need for Accurate Release Studies”
- 3:15 Marissa Thornberry**
“A New Creation: The Conception, Gestation and Birth of a Poem”
- 3:30 Signa Reed**
“Belles, Balls, and Barbecue: Southern Literary Nostalgia through the Life and Works of Josephine B. Crump”

Hickingbotham Hall 200

Dustin Walter, Moderator

2:00-4:00

- 2:00 Bailey Nichols** “Observational Study of the Metabolism of Escherichia coli, K. pneumoniae and Enterobacter aerogenes in Splenda® Media and Glucose Control Media”
- 2:15 Timothy Horton** “Application of Computational Docking to Examine Metabolism of Chiral Drugs by CYP2C9”
- 2:30 Hollyn McCarty** “Computational Analysis of PPAR γ Similar Proteins”
- 2:45 Taylor Stanford** “The Effect of Spent Media Isolated from Lactobacillus plantarum WCFs1 on Biofilm Formation by Staphylococcus aureus”
- 3:00 Shelby Cobb** “Computational Docking Analysis of Enantiospecificity in CYP2C9 Drug Metabolism”
- 3:15 Crista Riggs** “Identifying Proteins that Bind to UBE2Q2 and Exosome Component 7”
- 3:30 Kelsey Willis** “Analysis of 25-Hydroxyvitamin D2 and 25-Hydroxyvitamin D3 using High Performance Liquid Chromatography”
- 3:45 Ksenia Gromovia** “Measurement of Retinol Concentration in Anti-Aging Creams”

3D Case Study Presentations

McClellan Hall 100

John Butler, Moderator

1:45-5:30

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.

- 1:45-2:00** Jennifer Coon, Emily Hastings, and Jena McCarty
- 2:00-2:15** Lauren Bundy, Mikey Sullivan, Megan Clay, and Julie Stanley
- 2:15-2:30** Cara Cox, Logan Kuhn, and Abby Emanuel
- 2:30-2:45** Sarah Bishop, Rebekah Ward, Crista Riggs, Kelsey Willis, and Jason Stevenson
- 2:45-3:00** Rebecca Zandstra, Jason Pullano, Kelsey Brum, and Dawson Pritchard
- 3:00-3:15** Madeline Martin, Kyle Hargis, Brad Hunter Heird, and Megan Scarbrough
- 3:15-3:30** Kaylee Barnett, Paige Onyuru, Mallory Burroughs, and Hannah Cooper
- 3:30-3:45** Sydney Belcher, Kris Wright, and Allie Smith

- 3:45-4:00** Laura Strossner, John Butler, Kirby VonEdwins, and Will Wooten
- 4:00-4:15** Brianne Baley, Pete Brunson, Austin Ingram, and Jamie Barker
- 4:15-4:30** Kevin Smith, Kelly Cortez, Kristin Johnson, and Anthony Melillo
- 4:30-4:45** Lauren Dunklin, Ashley Johnson, and Alli Goodson
- 4:45-5:00** Trey Oliveto, Garet West, Andrew Davis, and Josh Ratliff
- 5:00-5:15** Sarah Pollock, Alex Morrison, Shelby Pierceall, and Jala Rainey

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The Honors Council

The Alpha Tau Honors Society
Leadership and Volunteers