



THE SUSAN E. PAULY
CELEBRATION OF
Academic Excellence
TWELFTH ANNUAL RESEARCH SYMPOSIUM

SALEM COLLEGE ♦ APRIL 23, 2019

*The Susan E. Pauly
Celebration of Academic Excellence*



For 247 years, Salem College has been committed to the tradition of academic excellence. From generation to generation, the women of Salem have distinguished themselves in their work in the arts, humanities, sciences, social sciences, and professional disciplines. Reflecting the college's pride in their academic efforts, the Salem community continues the annual tradition of highlighting student accomplishments in 2019.

Today we gather to celebrate the work of Salem senior students and their faculty advisors. Everyone is encouraged to attend these important and thought-provoking presentations that showcase academic excellence.

The twelfth annual Salem College research symposium showcases student work across the disciplines and features new faculty research. We invite you to join us in celebrating our accomplishments and in publicly acknowledging the hard work of our students.

OPENING SESSION I | 8:30–9:15 am | Hanes Auditorium

Introductory Remarks

Susan Henking, *Interim Vice President for Academic and Student Affairs and Dean of the College*

Faculty Research

- Laura Watts, *Assistant Professor of Biology*
Dirt to Drugs: Your Opportunity to do Antibiotic Discovery Research at Salem
- Spring-Serenity Duvall, *Associate Professor of Communication*
Calling BS: The Cultural Politics of Celebrity Girl Activism

SESSION II | 9:30–10:45 am

College Honors Symposium I | Hanes Auditorium

Moderator: Dean Susan Henking

- Jessica Brown (Professor Dane Kuppinger)
Germination Response of the Princess Tree (*Paulownia tomentosa*) to Microsite Conditions
- Margaret Ericson (Professor Elizabeth Wemlinger)
America's Ambivalence in the Face of Atrocities: The United States' Involvement – or Lack Thereof – with the Genocides of the Late 20th Century
- Delaney Amelia Finau (Professor Jo Dulan)
The Mirror Under the Bed: Isolation as the Antagonizing Force in Gothic Literature
- Nicole Heckemeyer (Professor Jo Dulan)
Still Rioting: The Continued Impact of Riot Grrrl on Punk Feminism

Multidisciplinary Symposium I | Shirley Recital Hall

Moderator: Professor Daniel Prosterman

- Anna Fisher (Professor Daniel Prosterman)
One Country, Two Systems: The Political Influence of Film in Hong Kong, Taiwan, and Mainland China
- Lorina Viola Morton (Professor Spring-Serenity Duvall)
Set the Scene: An Exploration of Cinematography Through Podcasting
- Megan Todd (Professor Diane Lipsett)
Can Women Lead? How Modern Pastors Read an Ancient Apostle
- Eden Stephanie Hamby (Professor Nora Doyle)
Sinful Pride: The Contradiction of Christianity and Moonshine in Wilkes and Ashe Counties, NC

✧ *Please refrain from using cell phones and other electronic devices during the presentations.*

SESSION III | 11:00 am–12:15 pm

College Honors Symposium II | Hanes Auditorium

Moderator: Dean Susan Henking

- Anna Fisher (Professor T. Sharee Fowler)
An Outdated Solution: The Role of Rural Orphanages in Developing Countries
- Krysten Lambeth (Professor Paula Young)
Magnetomancy: Travelling at (Almost) the Speed of Light
- Julie McGhee (Professor Linda Dudley)
Dreams of Salem Students
- Mary M. Wagner (Professor Rebecca Dunn)
Random UV Light Mutations and Their Impact on Xylose Metabolism in *Saccharomyces Cerevisiae*

Art History Symposium | Shirley Recital Hall

Moderator: Professor Penny Griffin

- Søren Daum (Professor John Hutton)
Visual Story-Telling and the Pre-Raphaelite Brotherhood
- Delaney Amelia Finau (Professor Penny Griffin)
'As We Are Now, So Shall You Be': Shifts in Images of the Three Living and Three Dead
- Ziqi An (Professor T. Sharee Fowler)
When East Encounters West: A Comparative Study of American Art Collections at the Reynolda House in Winston-Salem, NC and Chinese Art Collections in the United States

Political Science and Public Policy Symposium I | EFAC 101

Moderator: Professor Elizabeth Wemlinger

- Kadia King (Professor Elizabeth Wemlinger)
From a Nation of Immigrants to a Nation of Citizens? Assessing Procedural Fairness in the U.S. Naturalization Process
- Priscilla Solis (Professor Elizabeth Wemlinger)
The American Dream: Supplying or Stopping Sex Trafficking at the Southern Border
- Hannah Nolan (Professor Kimya N. Dennis)
Child Abuse as a Social Issue

LUNCH | 12:15–1:15 pm | Corrin Refectory

SESSION IV | 1:15–2:30 pm

College Honors Symposium III | Hanes Auditorium

Moderator: Dean Susan Henking

- Julia Jennings (Professor Kim Varnadoe)
Introspective Study Through Organic Sculpture
- Verity Wilcher (Professor Katie Manthey)
Friend Fiction and Feminism: Gender and Sexuality in Bob's Burgers
- Hannah Ross (Professor Megan Regan)
Cuban Economy: An In-Depth Analysis

Psychology and Sociology Symposium | Shirley Recital Hall

Moderator: Professor Katharine Blackwell

- Gracie Hilber (Professor Mary Jacobsen)
Investigating Seasonal Affective Disorder (SAD)
- Angela Sofia Royo Romero (Professor Katharine Blackwell)
Evaluating Decision-Making Using “The Police Officer’s Dilemma”
- Cherokee Staples (Professor Katharine Blackwell)
Transgender Development
- Mildred Proctor (Professor Kimya N. Dennis)
Safe, Sane and Consensual: BDSM in the Community

Nonprofit Management and Community Leadership Symposium | EFAC 101

Moderator: Professor T. Sharee Fowler

- Tatiana Moore (Professor T. Sharee Fowler)
#SquadGoals: A Study of Strengthening Approaches to Nonprofit Collaborations
- Emeline Smith (Professor T. Sharee Fowler)
The Role of Nonprofits in Reinventing the American Criminal Justice System

Poster Session | Velma Mason Davis Gallery

- Dionne Boone (Professor Rosa Otero)
Animation and Mental Health
- Maddie Crumpton (Professor Jing Ye)
Antioxidants
- Margaret Katherine Fretwell (Professor Karen Hixson)
Injury Prevention Flexibility Exercise Program for Piano Players
- Amanda Hartley (Professor Rosa Otero)
Der Bierbauch
- Yareth Huerta (Professor Rosa Otero)
Moll
- Haley Alexandra Orozco (Professor Rosa Otero)
Maple Mermaid Designs
- Cecily Wainschel (Professor T. Sharee Fowler)
The Role of Nonprofits in Aiding Destroyed Communities: How Organizations are Helping Butte County Recover from California’s Deadliest Fire

SESSION V | 2:45–4:00 pm

English Symposium | Hanes Auditorium

Moderator: Professor Edyta Oczkowicz

- Mikaila Beane (Professor Edyta Oczkowicz)
A Woman’s World: Marriage in Thornton Wilder’s *Our Town*, *The Matchmaker*, and *Heaven’s My Destination*
- Alyssa Mikal Dulaney (Professor Edyta Oczkowicz)
Wilder and Keats: Artists and the Fear of Death
- Bonnie Georgette Hamlett (Professor Edyta Oczkowicz)
Audience as Character in Wilder’s *The Emporium*
- Caitlin Lepp (Professor Edyta Oczkowicz)
Our Town Re-Imagined: Modern Satire in Trump Era

Multidisciplinary Symposium II | Shirley Recital Hall

Moderator: Professor Wade Mattox

- Maria Elizabeth Martinez (Professor Ho Sang Yoon)
Comparative Analysis of the Health Systems in Cuba and the United States
- Melissa Kiger (Professor Tina Flowers)
Revenue Recognition: Accounting for the Future
- Nicole Zier (Professor Wade Mattox)
Algorithms and Efficiency: A Study of Numerical Analysis and Database Normalization
- Lauren Fasth (Professor Debbie Harrell)
The Mathematics of Wonderland: An Exploration of Lewis Carroll's Mathematical Publications, Victorian Mathematics, and *Alice's Adventures in Wonderland*

Biology Symposium | EFAC 101

Moderator: Professor Rebecca Dunn

- Shalondra Brown (Professors Rebecca Dunn and Laura Watts)
Is Immunocontraception Effective in Nonhuman Mammals?
- Antonio Marquez (Professor Rebecca Dunn)
How To Discern Canine Parvovirus's Adaptive Capabilities
- Jemima Piloso (Professors Rebecca Dunn and Laura Watts)
The Science Behind Longevity: Chronic Stress Shortens Telomere Length

SESSION VI | 4:15–5:15 pm

Political Science and Public Policy Symposium II | Hanes Auditorium

Moderator: Professor Elizabeth Wemlinger

- Cyera Taylor (Professors Elizabeth Wemlinger and Megan Regan)
Indicators of Poverty in Forsyth County
- Eden Stephanie Hamby (Professor Daniel Prosterman)
In FDR's Shadow: The Case of Lyndon B. Johnson
- Tashia Grant (Professor Elizabeth Wemlinger)
Soviet Union: The Survival of Communism
- Keeleigh Scarlett Utt (Professor Elizabeth Wemlinger)
Ending Estrangement: The Failure of Environmentalism to Consider Class Dynamics in Policy Innovation and Implementation

Dance Studies Symposium | Shirley Recital Hall

Moderator: Professor Heidi Echols

- Mary Katherine Conaway (Professor Heidi Echols)
Pom Poms and Push-ups: A Look at the Culture Surrounding Professional Cheerleaders
- Juanita Saldaña (Professor Heidi Echols)
Opportunities with Dance: The Benefits of Dance in Low-Income Communities
- Hannah Houston (Professor Heidi Echols)
A Chance to Dance: Down Syndrome, Autism Spectrum Disorder, and Dance Movement Therapy
- Emily Conley (Professor Heidi Echols)
Dance and Improvisational Movement: A Therapeutic Intervention for Dementia in the Geriatric Population

Environmental Studies Symposium | EFAC 101

Moderator: Professor Dane Kuppinger

- Allison Wright (Professor Dane Kuppinger)
Whose Responsibility is it Anyway? An Analysis of Environmental Damage and Mitigation
- Destiney Lee (Professor Elizabeth Wemlinger)
Pig Out! Are There Sustainable Farming Alternatives to Concentrated Animal Feeding Operations?
- Kristen Kellogg (Professor Dane Kuppinger)
Assessment of Management Strategies to Protect Birds in U.S. National Parks Against Climate Change

DINNER | LEADERSHIP BANQUET | 5:30–6:45 pm | Corrin Refectory

SESSION VII | 7:00–7:50 pm

Center for Women Writers: Spotlight on Salem Writers | Shirley Recital Hall

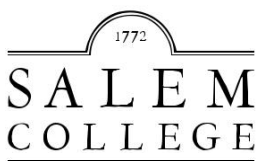
Join us for readings by contributors to *Incunabula*, Salem College's literary and artistic magazine.

SESSION VIII | 8:00–9:00 pm

Performing Arts Symposium | Mary Davis Holt Gallery & Shirley Recital Hall

Performances feature students from the School of Music and from the Department of Dance Studies.

Salem College, a liberal arts college for women, values its students as individuals,
develops their unique potential, and prepares them to change the world.



601 South Church Street
Winston-Salem, North Carolina 27101
(336) 721-2600 | www.salem.edu

Founded in 1772, Salem is the nation's oldest continuously operating educational institution for women; offering undergraduate majors for women; graduate programs in education and music for women and men; and a range of degree and certificate programs for women and men, ages 23 and older, through the Martha H. Fleeer Center for Adult Education.

For more information, visit www.salem.edu.