2017 Symposium
OF THE LIBERAL ARTS & SCIENCES
WEDNESDAY, APRIL 26
Oglethorpe University

LIBERAL ARTS & SCIENCES SYMPOSIUM 2017

This annual event brings together students and faculty in a day-long celebration of exemplary analytic and creative work produced by Oglethorpe students during the academic year.

The symposium’s sessions provide a forum for students and faculty to recognize, discuss, and learn from these outstanding student endeavors. Panels, poster presentations, art exhibitions, and performances present the fruits of Oglethorpe’s liberal arts and sciences curriculum, as well as student-driven initiatives, including senior honors theses, independent studies, service learning, study abroad, and experiential initiatives, connecting Oglethorpe University with Atlanta and the world beyond.

For program updates, check oglethorpe.edu/symposium.

CONTENTS/SCHEDULE

4  8:00 – 8:30 AM
Registration

8:30 – 9:30 AM
Poster Sessions
[PRISM + Study Abroad]

8  9:30 – 10:15 AM
Keynote:
Dr. Anastasia Lin

9  10:30 – 11:45 AM
Session I

11 12:00 – 1:15 PM
Special Lunch Session:
Meeting of the Majors

12 1:30 – 2:45 PM
Session II

14 3:00 – 4:15 PM
Session III

16 4:30 – 6:00 PM
Symposium in Music Performance

18 6:00 – 7:00 PM
Reception
Registration

24-Hour Room, Philip Weltner Library
All participants please register for the conference in the 24-Hour Room.

Poster Sessions
These posters display the work of OU students, from class-based research to independent scholarly projects.

PRISM @ LASS

Lower Lobby of Turner Lynch Campus Center
PRISM (Posters of Research in Science and Mathematics) gives students of natural and behavioral sciences and mathematics the opportunity to present their research from courses, labs, and independent studies.

Independent Student Research Posters
• Myae Chan and Yashi Feng, “Controversial Debates on Caffeine, Artificial Sugar, and Milk”
• Dalila El Zein Isac, “Improving the yield of cationic flame-retardant polymers”
• Brad Firchow and Pritali Amrutkar, “Toxicity of Metal Oxide Nanoparticles on Aquatic Organisms”
• Robert Goldin, “Using RNAi to identify specific genetic interactions with spr-5 and met-2 in the epigenetic control of fertility defects in C. elegans”
• Mufaro Guzha, “Helium-3: A Race for Earth’s New Energy Source”
• Kelly Jacobson, “Welcome to the ROMPer Room!: Research Using Ring-Opening Metathesis Polymerization”

• Siddhika Nair, “Extraction of Biodiesel from Acorns”
• Arman Niknafs, “Localization of motility and regulatory proteins in Chlamydomonas reinhardtii cilia”
• Moronfoluwa Olajide and Maurice Parker, “Biofuel Cells Constructed from Polypyrrole, Carbon nanotube, and Graphene”
• Isuan Oyakhire, “Fuel Cell Research”
• Rebecca Spry, “A new testing paradigm for evaluating the motor and non-motor symptoms of 6-Hydroxydopamine lesions in rats”
• Kidist Tolla and Maurice Parker, “Cadmium Telluride nanocrystal to make solar cells”

CURE Posters
“Dynamic Biology: Course-Embedded Investigations in the Human Physiology Laboratory”
Dr. Charles Baube, BIO 402

• Amandha Darius, Robert Goldin, Jazzmine Leake, Brianna Massey, Kerrigan McManigal, Beatrice Menjor, Siddhika Nair, Arman Niknafs, Jacob Northrup, Deanna Parker, Angel Sims, Rebecca Spry, Jaelyn Weinberg

Laura Castellanos, “Stigma toward soldiers and civilians who seek mental health services”
Dr. Lisa Hayes, PSY 322

Stella Harney, “Effects of dog exposure on stress”
Dr. Lisa Hayes, PSY 322

Jaqueline Valente Ocampo, “Cross-species emotional contagion”
Dr. Lisa Hayes, PSY 322

Megan Patterson, “The effects of traditional and nontraditional gender roles on self-esteem and patriarchal beliefs”
Dr. Lisa Hayes, PSY 322

“Quantitative Chemical Analysis Using Real Life Samples”
Dr. Humayun Kabir, CHM 310

• Maya Babbs, Elias Castro, Deon Heavens, Dalila El Zein Isac, Dylan Leonard, Beatrice Menjor, Siddhika Nair, Iris Ponce Pinto, Arielle Shaw
“Measurements of the Physical World: From the Sun to Electrons”  
*Drs. Mariel Meier and Michael Rulison, PHY 102L*  
- Delaney Abood, Jacob Bertram, Samantha Chap, Paula Carvajales, Bailey Charles, Amandha Darius, Hannah Dattilo, Braden Draucek, Lane Foster, Andrew Freiji, Gerardo Gomez, Dena Harrod, Brianna Hernandez, Nate Inman, Kaylah Lewis, Nevordia Lowe, Johnny Martinez, Kayla Matta, Arcelia Moon, Stephen Myers, Alex Norman, Michael Paszek, Karina Pinal, Tristen Powell, Anna Rash, Corinne Sampson, Cesar Torres, Morgan Walker

“Software Engineering: Developing Software Iteratively”  
*Dr. Brian Patterson, CSC 490*  
- Noah Edge, Logan Fuglestad, Benedict Kargbo, Vinh Pham, Will Purcell, Yusha Shrestha, Mateo Villa, Jamal Willis

“Building Life: A Course-Embedded Investigation of Cellular Structure and Function”  
*Dr. Karen Schmeichel, BIO 418*  
- Amandha Darius, Trevor Davis, Elias Castro, Robert Goldin, Brianna Massey, Kerrigan McManigal, Beatrice Menjor, Arcelia Moon, Austin Norman, Patrick Patisaul, Angel Sims

**Study Abroad**  
*Lower Lobby of Turner Lynch Campus Center*  
*Dr. Ron Bobroff*  
- Sarah Baughn, “Western to Eastern Europe: Life and Education in the United Kingdom, Latvia, and Russia”  
- Casandra Brayton, “Embracing Japan”  
- Elizabeth Burns and Maital Gottfried, “Petrels across the Pond”  
- Shanice Chesney, “A Train Ride through Madrid”  
- Jordan Michels, “Jordan Meets Japan”  
- Shyanne Murfield: “Don’t Just Go Abroad, Lead Abroad”

**Refreshment Center**  
*24-Hour Room, Philip Weltner Library*  
Stop by for breakfast, water, afternoon snacks, extra programs, and registration.

**Art Show**  
*Philip Weltner Library, Circulation Desk Area*  
*Prof. Alan Loehle and art majors*  
Stop by the campus center to see the exhibition of works by Oglethorpe students.  
- Rachel Farrington  
- Taylor Holmes  
- Vivian Jones  
- Abigail Kreisinger  
- Larissa Randall  
- Rebecca Rikard  
- Audrey Stadler  
- Tyler Wilson
Dr. Anastasia Lin is an associate professor of English at the University of North Georgia and the assistant dean of Student Research and Scholarship. In this capacity, she oversees the Center for Undergraduate Research and Creative Activities and assists students in pursuing nationally competitive scholarships. Dr. Lin is committed to assisting students take advantage of opportunities in undergraduate research; to that end, in the past years she has developed a travel grant initiative to ensure students have travel funding for conferences. She also began a “Student Start-Up FUSE grant,” which funds two students a year to complete their own self-designed research projects over the summer. In the other arm of her office, Dr. Lin supports applicants—many of them former student researchers—in their quest to secure nationally competitive scholarships. In the past three years, students have won numerous national scholarships including the Udall, Pickering, Jack Kent Cooke Undergraduate Transfer Scholarship, Fulbright, Boren, Gilman, and the Critical Language Scholarship. This year alone, UNG has 10 Fulbright semifinalists.

Dr. Lin herself received a Fulbright Student Research Scholarship to Taiwan in 2005; she subsequently spent the year researching Chinese language and culture at Feng Chia University in Taichung, Taiwan. Dr. Lin’s research focuses on issues of transnationality, Asian American literature, and the possibilities of using Geographic Information Sciences to read multiethnic texts. In summer 2013, Lin earned a FUSE grant to map Karen Tei Yamashita’s Tropic of Orange; the results of the project evince new geographical ideologies that challenge accepted notions of economic and geopolitical borders as well as the ways in which capital(s) is/are constructed. Lin currently uses the maps produced in her own literature classes, and she has several forthcoming papers on this literary cartographic approach to Yamashita’s work.

For her work in the classroom, Lin has earned both the Ann Matthews Purdy Outstanding full-time faculty member award and the UNG Teaching Excellence Award. She also was the recipient of an East-West Center grant, an Emerging Leader Awardee, and an invited member of the Fulbright FPA Initiative program. Finally, Lin serves as the secretary for MELUS, the Society for the Study of Multi-Ethnic Literatures of the US.
3. The Importance of Place in Writing About Lives

**OUMA Skylight Gallery**

*Moderator: Prof. Jessica Handler*

- Amanda Ake, “In Defense of Placeless Writing”
- Tori Antley, “Constraints on Connection”
- Quataize Dutch, “Without Setting”
- Bailey Fabricius, “Place as Character-Protagonist vs. Antagonist”
- Sean Hastings, “Place as an Individual’s Temporary, Personal World”
- Alex Smith, “Response to Place”

4. Art as Communication

**TLCC Trustee Room**

*Moderator: Dr. Robert Steen*

- Jordan Michels, “Art Travel, and Japanese Pilgrim Culture”
- Aadithya Prem, “Fashion Magazines and Vogue’s Hegemony”
- Yasmin Tehrani, “Nineteenth-Century Realism in Flaubert’s ‘A Simple Heart’”

5. Everything You Know Is Wrong

**TLCC 225**

*Moderator: Dr. Lynn Gieger*

- Shanice Chesney, “The Brain vs. Computer: Free Will and Consciousness”
- Robert Dougherty-Bliss, “The Number Two Does Not Exist”
- Iris Ponce Pinto, “Solar Wind and the Jovian Magnetosphere”

---

**Meeting of the Majors**

**TLCC Dining Room (unless otherwise noted)**

All students are encouraged to meet with their major faculty and peers. Unless otherwise indicated, all majors will meet over lunch in the TLCC Dining Room. Some sessions are casual, others more formal. If your major is not listed, you should attend the session/table most related to your interest (for example, American Studies majors may choose History, Sociology or Politics).

- Art & Art History
- Communications and Rhetoric Studies
- English & Writing
- History
- International Studies
- Philosophy
- Politics
- Psychology & Biopsychology: **TLCC Private Dining Room**
- Sociology
- Theatre
- Division III (Biology, Chemistry, Physics) and Division IX (Computer Science, Mathematics): **TLCC Trustee Room**
- Division V (Accounting, Business Administration, Economics, Human Resource Management): **A_LAB Conference Room (TLCC 225)**
- Division VIII (Foreign Languages)
SESSION II: 1:30-2:45 PM

1. Honors Theses II
   Library Atrium
   Moderator: Dr. Sarah Terry
   • Allie Armbruster, “On the Road and the Meaning of Beat”
   • Evan Drew, “And Now There’s No Chain: Punk, Dada, and Art as Commodity Negation”
   • Sarah Baughn, “The Search for Belarusian National Identity: An Explanation of Authoritarianism”

2. The Gender ROLErcoaster: The Different Tracks of the Gender Binary
   TLCC Trustee Room
   Moderator: Dr. Anne Rosenthal
   • Katherine Breeggemann, “Defying Gender Roles: A Product of Privilege?”
   • Lindsay Thomaston, “Taking Back Eden”
   • Gillian Rabin, “Sounds of Sanity and the Self”

3. Global Feminisms
   OUMA Skylight Gallery
   Moderator: Prof. Iona Wynter-Parks
   • Margaret Light, “Esther and Jonah: Sexism among God’s Chosen People”
   • Katelyn Lilly, “Female Writers and Oppression”
   • Victoria Lindbergh, “Francophone Feminism: One Size Does Not Fit All”
   • Anna Rash, “Women in Engineering”

4. The Changing Atlanta Story
   TLCC 225
   Moderator: Dr. Matt Wild
   • Syeda Bano, “The Magic of Atlanta”
   • Ryne Bustamante, “The Growing City”
   • Myles Charnanat, “The History of Asian Americans in the Media”

5. Render it Powerful: Intersections of Fine Arts and Psychology
   Earl Dolive Theatre
   Moderator: Dr. Justin Wise
   • Gavonta’ Zanders, “Write Them Off as Crazy: An Analysis of Mental Illness within A Beautiful Mind and Changeling”
   • Peter Ramsey, “Psychological Investigations of Musical Harmony”
   • Emily Schultz, “The Necessity of Humanity: Utilizing Shakespeare’s Works to Inspire Rehabilitation within Prisons”
SESSION III: 3:00-4:15 PM

1. Honors Theses III

**Library Atrium**
*Moderator: Dr. Sarah Terry*
- Stephanie Bowar, “Selective Tactile Attention Under Auditory Perceptual Load”
- Elias Castro, “‘Mom, I got it’: Identifying Zygotic Roles for SPR-5 and MET-2 in C. elegans Development”
- Miranda Evans, “The Role of Attachment Styles and Personality in Predicting Coping Methods”
- Jaclyn Weinberg, “Potential Interactions of Alcohol and Multivitamin Use on Prenatal Oxidative Stress”

2. Stories of Rebellion and Revolutionary History

**TLCC Trustee Room**
*Moderator: Dr. Katherine Stevens*
- Erin Battaglia, “The Self and Change”
- Alnaya Kendrick, The Unsung Revolutionary: Gaspar Yanga
- Samuel Oliver, “Don Quixote: The Role of Dulcinea”

3. Our Universal Rights and Our Environment

**Earl Dolive Theatre**
*Moderator: Dr. Jeffrey Collins*
- Celia Cortes
- Jalia Killings
- Aris Michelsen
- Paula Jane Santa Cruz
- Hasan Syed

4. The Formation of Gendered Tropes

**OUMA Skylight Gallery**
*Moderator: Dr. Reshmi Hebbar*
- Lexi Covalsen, “Subverting Culture in Global Texts”
- Emily Rodriguez, “The Ideal Masculine Hero”
- Ryan Holtzen, “Heroism as Expressed through Time in Literature: A Brief Discussion of Masculinity”
- Ciaran Flake, “The Starchild: Translation, Transfiguration, and Transmutation”
Musical Performance Symposium

Conant Performing Arts Center

Dr. W. Irwin Ray, Director of Music
Dr. Brent Runnels, Applied Music Coordinator

PROGRAM

Sonata in F Major, K. 332, Mvt. 1......................Wolfgang Amadeus Mozart (1756-1791)
Allegro

J. P. Smith, piano
Student of Dr. Brent Runnels

Sonata in C Major, K. 545 ..........................Wolfgang Amadeus Mozart (1756-1791)
Allegro
Andante
Rondo

Elizabeth Kontyko, piano
Student of Dr. Brent Runnels

The Mermaid’s Song, Hob. XXVIa no. 25......................... Joseph Haydn (1732-1809)
Katherine Carey, soprano
Student of Dr. Wanda Yang Temko
Dr. Brent Runnels, piano

La Cathédrale engloutie (The Sunken Cathedral) ..........Claude Debussy (1862-1918)
from Preludes, Bk. 1

Peter Ramsey, piano
Student of Dr. Brent Runnels

Concerto in Re Minore, RV. 541  Mvt. 1..........................Antonio Vivaldi (1678-1741)
Allegro

Elizabeth Kontyko, violin
Student of Patti Gouvas
Dr. Brent Runnels, piano

Sakura Nagashi..........................................................Utada Hikaru and Paul Carter
Adopted and re-arranged by Vangakuz

Sarah Baughn, piano
Student of Dr. Brent Runnels

In respect for performers and listeners alike, please silence all phones. Also note that the use of audio or video recording devices, as well as flash photography, is strictly prohibited.

Reception

Conant Veranda
All are invited to attend.
Honors and Awards Convocation

Conant Performing Arts Center

In conjunction with the Liberal Arts and Sciences Symposium, the Honors and Awards Convocation recognizes students who excel in academics at Oglethorpe. Honors and awards will be presented by sponsoring organizations. Faculty and staff are also honored with teaching and service awards.

Professors’ Appreciation Gala

Conant Veranda
The Atlanta Laboratory for Learning represents Oglethorpe University’s commitment to integrating our renowned liberal arts and sciences curriculum with exceptional engagement, through undergraduate research and scholarship, global education, civic engagement, and professional development.