Scholars Day

PROGRAM

Wesley College
Dover, Delaware

April 12, 2017
Schedule of Events

Wells Auditorium (Slaybaugh Hall 107)
1:00 – 1:15 p.m.
Welcome & Opening Remarks
Dr. Jeffrey Gibson
Provost & Vice President for Academic Affairs of Wesley College

Session I
1:25-2:05 p.m.
Oral Presentations

Session II
2:15-2:55 p.m.
Oral Presentations
Poster Presentations
Musical Performances

Session III
3:05-3:45 p.m.
Oral Presentations
Art Demonstrations

Session IV
3:55-4:35 p.m.
Oral Presentations
Poster Presentations

4:45-6:00 p.m.
Reception & Award Ceremony
Remarks from President Robert E. Clark II
President of Wesley College

Remarks from Dr. Malcolm D’Souza
Professor of Chemistry and Associate Dean of Interdisciplinary/Collaborative Sponsored Research

Oral Presentations in
Slaybaugh Hall 103, Slaybaugh Hall 104, Cannon Hall 7, Cannon Hall 109, Cannon Hall 110

Poster Presentations in College Center Portico (North Circle)
In the event of rain, poster presentations will be in the College Center Lobby.

Musical Performances in the Bennett Chapel
Art Demonstrations/Exhibitions are in the Faculty Lounge in the College Center

Reception & Ceremony in College Center 206
Session I: Oral Presentations  
1:25-2:05 p.m.

Panel 1: Cannon Hall 7  
Moderator: Alban Urbanas  
Assessor: Bill Kroen

Evaluation Of The Effects Of Sulfonyl And Sulfamoyl Chloride On Aquatic Bacteria  
Ariel Bilbrough

Using The Web & Social Media To Showcase STEM Undergraduate Research Programs At Wesley College  
Andreanna Jeffries

Panel 2: Cannon Hall 110  
Moderator: Rebecca Miller  
Assessor: Amy Strickland

A Study In Traveling Abroad  
Shannon Hollingsworth

Daily Life In The Tang Dynasty  
James Poole

Panel 3: Slaybaugh Hall 104  
Moderator: Cathy Nosel  
Assessor: Tammy Paxton

Book Club Data Mining-A Comparison Of Linear Regression And Binary Discrete Choice Models  
Ai Xu, Adrianne Bautista

A Study Of Organic Food Consumers’ Knowledge, Attitudes And Behavior  
James 'Beau' William, Zach Gaudlip, Lily Engel

Panel 4: Cannon Hall 109  
Moderator: Jack Barnhardt  
Assessor: Elizabeth Marchioni

Are Adolescent Girls Who Use Oral Contraceptives At An Increased Risk Of Ovarian Cancer, Compared To Adolescents Who Do Not Use Oral Contraceptives?  
Teledalase Ogundipe
Diversity And Multicultural Events On College Campus: Importance, Challenges & Strategies For Hosting
Rose Bondoe, Monisola Olowere, Teledalase Ogundipe

Panel 5: Slaybaugh Hall 103
Moderator: Saharat Pongsree
Assessor: Gwen Pursell

Comparing Investment Strategies
Ronny Adzadu, Rashad Kilgore, and Derrick Schleich

Session II: Oral Presentations
2:15 – 2:55 p.m.

Panel 1: Cannon Hall 7
Moderator: Christine McDermott
Assessor: KellyAnn Miller

Comparison Of Wetland Restoration Techniques By Vegetation Composition And Soil Properties
John Dougherty

Development Of Rivers And Streams: A Historical Analysis
Jose Santana

Panel 2: Cannon Hall 110
Moderator: Danielle Archambault
Assessor: Stephanie Holyfield

What’s Your Problem?: The Effect Of Trait Aggression And Exposure To Violent Media On Perceptions Of Violence
Courtney Gross

Milton’s Lucifer In America
Sarah Lynch

Panel 3: Slaybaugh Hall 104
Moderator: Richard Mahee
Assessor: Ethan Hawkley

The Legal History Of Marriage, Part 1
Briana Milliner, Colin Correia, Alaina Weisberg, Stephanie Dobyns, Benjamin Campbell, Austin Kind, Maddison Cypher
The Legal History Of Marriage, Part 2
Briana Milliner, Colin Correia, Alaina Weisberg, Stephanie Dobyns, Benjamin Campbell, Austin Kind, Maddison Cypher

Panel 4: Cannon Hall 109
Moderator: Victor Greto
Assessor: Alex Spaul

Grace O'Malley The Pirate Queen
Julianna Tedder

Margaret Sanger: Strong Woman
Betty Lee, Julianna Tedder, Joy Coleman

Session II: Musical Performances
2:15 – 2:55 p.m.

Panel 5: Bennet Chapel
Moderator: David Laganella
Assessor: James Wilson

The Knights In Shining Spandex Tone Painting
Emily Bentz

Alex
Alexa Cherico

Nothing Gold Can Stay
Alexa Cherico and Wesley College Choir

Session II: Poster Presentations
2:15 – 2:55 p.m.

Poster 01: The Effectiveness Of Treatment Methods On Patients With Low Back Pain From Physical Therapist’s Perspective
Matthew Horton

Poster 02: Impact Of The Position Of The Chloro-Substituent In Chloroformate Reactivity
Jeremy Wirick

Poster 03: Solving Mysteries Through Chemistry
Aditya Bajaj
**Poster 04:** The Effect Of Dramatic Sea Level Rise On Tree Ring Anatomy Of Deceased Atlantic White Cedars
Olivia Gulledge

**Poster 05:** What Are The Effects Of Asthma On Athletes?
Elisabeth Lindstrom

**Poster 06:** African-American Emerging Adults And Mental Status
Kaylynn Hall

**Poster 07:** CRISPR/Cas9 Gene Editing In Saccharomyces Cerevisiae
Kristen M. Pisarcik

**Poster 08:** Pet Therapy And Its Effects On Children With Autism Spectrum Disorder
Alyssa Pierce

**Poster 09:** The Effects Of Cognition Impairment: Improving An Elderly Patient’s Cognition Through Brain Stimulation
Samantha Land

**Poster 10:** Who Is More Susceptible To Sexual Violence: Athletes Or Non-Athletes?
Mariah Payne

**Poster 11:** Inventory Platform Manages Chemical Risks, Addresses Chemical Accountability, And Measures Cost-Effectiveness
Lily Neff

**Poster 12:** Use Of Polynomial Regression Techniques To Predict Solvent Mechanisms For Benzoyl Cyanide
Edward A. Brandenburg

**Poster 13:** Root Cause Analysis: Discharge Teaching
Natalie Trujillo, Kaitlin Brennan, Cho Dalton, Sarah Miller, Devin Mackay

**Poster 14:** Could Wesley College's Cannon Hall Benefit From Switching To All Green Office Supplies?
Brooke Thompson

**Poster 15:** Florence Nightingale
Katie Glidden, Lacey Long, Keshia Crowley, Matthew Sheats, Katherine King, Cowan Cummings

**Poster 16:** An Investigation Of Squirrels Use Of Olfaction Versus Vision In Foraging
Matthew Horton, Josephine Veeria, Darrisha Small, Elaine Smith
Poster 17: Differences In Parenting Styles Across Ethnic Groups
   Doitsu A. Aguilar

Poster 18: Spatial Analysis Using GIS To Find An Ideal Neighborhood For Purchasing A Home
   Christina Hubert

Poster 19: Accountability In Nursing Students
   Shanee Devane

Poster 20: Obesity Trends In Three States
   Momina Toseef, Edward A. Brandenburg, Robert F. Dina

Poster 21: Pet Assisted Therapy And The Future
   Alexa Venuto

Poster 22: Analysis Of Air Quality And Asthma In Relation To Locations Of Coal-Fired Power Plants Of The Northeast
   Katelynn Fry, Joseph Howard

Poster 23: The Relationship Between Media Use And Multitasking And Psychological Correlates: Ego-Control, Ego-Resiliency, Anxiety, And Loneliness
   Allison Perugini

Poster 24: Avian Foraging: Place And Preferences
   Destiny Hollis, Savannah Bruce, Corey Johnson, Sharnice Wallace, Fawn Watkinson

Poster 25*: The Midnight Roast
   Betty Lee, Kelsey Fitzpatrick, Edward A. Brandenburg, Kenneth Ciccoli, Austin Luna
   *Poster 25 is in the Faculty Lounge

Session III: Oral Presentations
3:05-3:45 p.m.

Panel 1: Cannon Hall 7
Moderator: Albee Mendoza
Assessor: Lynn Everett

Comparative Statistical Analysis Approach For Four Alkyl Chloroformates
   Robert F. Dina

Risk Factors Associated With Type II Diabetes Among Wesley College Students
   Destiny Hollis
Panel 2: Cannon Hall 110
Moderator: Mary Jenson
Assessor: Rebecca Benson

Coraline: Symbolism, Psychoanalysis, And Feminism
Teledalase Ogundipe

Stepping Into The Driver's Seat: Narrative Freedom In Role Playing Video Games
Terrance Olivo

Panel 3: Slaybaugh Hall 104
Moderator: Paul Olsen
Assessor: Brantley Craig

The National Football League And It’s Marriage To Television
Ryan Sanders

Prison Nursery Programs
Elizabeth Schlecker

Panel 4: Cannon Hall 109
Moderator: Barbara Abbott
Assessor: Gwen Pursell

Mathematical Analysis Of Solar Energy In Delaware
Christina Hubert

Central Americans Migrate To Escape Never Ending Hardships
Nicole Bader

Session III: Art Demonstrations
3:05 – 3:45 p.m.

Panel 5: Faculty Lounge
Moderator: Erin Perchiniak
Assessor: Joshua Nobiling

Selected Digital Paintings
Emily Temple

Universes by. Mr. Gist
Elijah Gist
The Duality of Self
Azana-Tatjana Cralwey

Session IV: Oral Presentations
3:55-4:35 p.m.

Panel 1: Cannon Hall 7
Moderator: Erin Perchiniak
Assessor: Angela D’Antonio

Ficoll Induces Aggregation Of Bovine Serum Albumin And Phycoerythrin
Kanisha Blake

Wesley College Depression Screening
Erin Townsley

Panel 2: Cannon Hall 110
Moderator: Mary Jenson
Assessor: Nancy Rubino

Tesla's International Marketing Expansion Challenge
William Mileski

The History Of Now: Documenting Recent American History
Shannon Hollingsworth

Panel 3: Slaybough Hall 104
Moderator: Paul Olsen
Assessor: Brantley Craig

American Chinese Cuisine VS Authentic Chinese Cuisine
Dru Sottnick

China Through American Eyes—How Different Are These Countries?
Rhiannon Dillon

Panel 4: Cannon Hall 109
Moderator: Barbara Abbott
Assessor: Rebecca Miller

It’s More Than A Game
Adriane Fraser
Session IV: Art Demonstrations
3:55 – 4:35 p.m.

Panel 5: Faculty Lounge
Moderator: Elizabeth Marchioni
Assessor: Joshua Nobiling

Speak: A Spoken Word Showcase
Kevin Johnson, Dominic McAnulty, Evan Le'Mon, Patrick Schlosser, Gail Trotter, Corey Lyons, Tahir Carr, Azana Tatiana

Session IV: Poster Presentations
3:55-4:35 p.m.

Poster 26: Using Quartzy To Catalog Environmental Microbial Isolates Classified Using The Biology
Lily Neff

Poster 27: Melanoma In The First State Did Not Only Claim Bob Marley’s Life
Austin Luna, Mabel D’Souza

Poster 28: Depression Screening 2016
Taylor O'Donnell, Rodneisha Scott, Angelina Scott, Shelby Schirmer

Poster 29: Digitization Of Historic St. Jones River Maps
Olivia Gulledge

Poster 30: RNA-Seq-Based Transcriptome Analysis To Study Differentially Expressed Salt Tolerant Genes In Spartina Alterniflora And Phragmites Australis
Josephine Veeria

Poster 31: Psychological Effects Of Female Genital Mutilation
Samantha McDonald

Poster 32: Similarities And Differences Between Postpartum Depression And Postpartum Psychosis And The Available Treatments
Kezban Yilmaz

Poster 33: Association Of Vogt-Koyanagi-Harada And Rheumatoid Arthritis: Two Types Of Disease And Their Possible Connection With One Another
Poster 34: Nest Distribution In Birds
Alexis Moore, Amy Clark, Emily Wagner, Tahir Carr, Inayah Whitaker

Poster 35: Top Ranked Hospital Hotpot In The US
Dinh Ngo

Poster 36: Analyzing The Relationship Between Mean Performance Times In Running Events And Demographic Information
Anthony Calcutta, Robert Coakley, Aleya Cummings

Poster 37: Personal Finance With FRED
Austin Luna, Ariel Bilbrough, Michael Skivers, Robert F. Dina

Poster 38: Obesity
John Dougherty, Morgan Gannon, Brooke Thompson, Dinh Ngo

Poster 39: Wesley College’s Transformation To A MSI
Allison Schwandt, Destiny Hollis, Francis Jackson, Mikayla Caldwell

Poster 40: Nest Predation And Birds; The Effect Of Egg Number
Caitlyn Gerwaski, Brittany Klase, Maggie Zwiebel, Lucie Sainte, Ashley Kistler

Poster 41: Food Value And Foraging Preferences In Gray Squirrels (Sciurus Caroliensis)
Shantae Taylor, Chaoying Feng, Angela Barnett, Jenna Gruwell, Kanisha Blake

Poster 42: Spatial Analysis Of Ideal Farming Location
Joseph Howard

Poster 43: Increasing The STEM Presence On The Wesley Website
Andreanna Jeffries

Poster 44: Incorporating Statistics To Probe Solvent Mechanisms
Austin Lonski

Poster 45: Madeline Leininger: Transcultural Nursing
Megan Otteni, Molly Fox, Brianna Fogelmann, Rancel Jolley

Poster 46: Determining The Standard Operating Procedure (SOP) For The Use Of A Rotary Evaporator In The Undergraduate Organic Chemistry Lab
Alexander Jean-Francois, Rachel Piper

Poster 47: Mild Traumatic Brain Injuries And Risk For Chronic Traumatic
Encephalopathy Among Athletes And The Military
Yasmine Allen

Poster 48: The Stigma Of Mental Illness In American
Diondre Hamm

Reception in Honor of All Scholars Day Participants
4:45-6:00 p.m.
College Center 206

Mentors
Barbara Abbott
Jack Barnhardt
Rebecca Benson
Susan Reddington Bobby
Hacene Boukari (DSU)
Kraiwinee Bunyaratavej
Lathadevi Chintapenta
Jessica Cook
Brantley Craig
Kathleen Curran
Angela D'Antonio
Darla Davidson
Linda DeRoche
Ron Douglas
Malcolm D'Souza
Mollee Dworkin
Charlisa Edelin
Lynn Everett
Frank Fiedler
Julie Fisher

Stephanie Holyfield
Sue Hudson (DTTC)
Kathleen Jacobs
Venu (Kal) Kalavacharla (DSU)
Eric B. Kmiec (DSU)
David Laganella
Vilma Lazo-Butera
Christine McDermott
Jerry Mench
Albee Mendoza
Joshua Nobiling
Agashi Nwogbaga
Gulnihal Ozbay
Tammy Paxton
Gwen Pursell
Natalia Rivera-Torres
Kristopher Roeske
Nancy Rubino
Kevin Shuman
Venkateswara Sripathi (DSU)
Archael Daniels
Milaine Desir
Randy Jolley
Janae Jones
Ayowunmi Kuforiji
Kylea Lankford
Judith Lawson
Hasan Leonard-Hakim
Kylie Liberty
Taijah Lincoln
Ashley Luna
Elizabeth F Martin
Chelsea McCall
Makenzie McIntyre
Cappadonna Miller
Delante Moore
Katherine Nettles
Bria Newman
Jeanine Olivares
Bradford Olivo
Erin O'Neil
Madison O'Neill
Raven Hynson
Jill Johnston
Imanni Ortiz
Waldemar Poppe
Waldemar Poppe
Mikayla Richardson
Angely Sanchez
Angely Sanchez
Cynthia Scott
Najee Segar
Lorne Shaw
Joshua Short
Kyndal Showell
Rodney Snider
Dacey Spinner
Michael Strittmatter
Michelle Tetteh
Brandon Thomas
Alexis Waugh
Deonika White
NaQuan Wilds
Derrick Williams
Kristin Wissler
Dania Wootson

Special Thanks
Dr. Jeffrey Gibson
Dr. Malcolm D’Souza
April Mahoney
Tina Heesh-Mosley
Emily Wood
Jessica Cook
Kristopher Roeske
Sierra Hayes
Anh Gibson
Wesley College SGA

Information Technology Department
Facility Management Department

Charlton School Students for Their
Contributions to the Art Gallery:
Colby Pardee, Mellissa Bronson,
Eddie Kidwell, Eric Ballard,
Jasmine Hayes, Peyton Snay,
Keith Coleman, Ronnie Wooddus,
Colin Potts, Austin Bohenko

Past Years’ Chairs & Members of Scholars
Day Committee who blazed the trail for us.

BI 407 Research Students, Psi Chi Members
and Selected Members of Alpha Chi who
reviewed abstracts.

Scholars Day Committee
Dr. Agashi Nwogbaga (Chair)
Dr. Albee Mendoza
Prof. Charlisa Edelin

Dr. Yu Tian
Prof. Vilma Lazo-Butera
Dr. Gwen R. Pursell

Thanks also to the national Council on Undergraduate Research (CUR) for showcasing this Scholars Day at
http://www.cur.org/conferences_and_events/special_offerings/urw/2017/events/#Wesley
Scholars Day is sponsored in part by the DE-INBRE and the DE-EPSCoR grants.