Scholars Day

Wesley College
Dover, Delaware

April 15, 2014
Schedule of Events

Wells Auditorium (Slaybaugh Hall 107)
1:00 – 1:05
Welcome & Opening Remarks
Dr. Patricia Dwyer
Provost & Vice President for Academic Affairs of Wesley College

Wells Auditorium (Slaybaugh Hall 107)
1:05 – 1:25
Keynote Address: Matthew Gallagher
Senior Operations Consultant, Bank of America

Session I
1:35-2:15
Musical Performances
Oral Presentations

Session II
2:25-3:05
Musical Performances
Oral Presentations
Poster Presentations

Session III
3:15-3:55
Musical Performances
Oral Presentations

Session IV
4:05-4:45
Musical Performances
Oral Presentations
Poster Presentations

The Student Photography Show will remain throughout the day in the DuPont Gallery

5:00-6:00
Reception & Ceremony

Poster Presentations in College Center Lobby
Musical Performances in the Chapel,
Oral Presentations in Wells Auditorium (Slaybaugh Hall 107),
Slaybaugh Hall 104, Cannon Hall 7,
Cannon Hall 109, Cannon Hall 110 and Parker Library 208

Reception & Ceremony in College Center 206
Musical Performances:  Session I
1:35 – 2:15

Chapel
Moderator: Jonathan Kidd

Wesley Jazz Band presents the Music of Duke Ellington;
David Laganella, Conductor

Wesley College Symphonic Band;
Brian Cass, Conductor

Wesley College Clarinet Trio
Esmeralda Elsakahawy, Leah Lowery and Kylie Liberty

Recitations:  Session I
1:35 – 2:15

Cannon Hall 109
Moderator: Agashi Nwogbaga
Assessor: TBD

Epic of James Morrison
Shane Yost

PoetryByKJ
Kevin Johnson II

Oral Presentations:  Session I
1:35-2:15

Panel 1:  Cannon Hall 7
Moderator: William Kroen
Assessor: Jill Cole

Kinetics of Phenyl Tosylate: A Research Proposal
Jasbir Deol

Kinetics Study of n,n-Diisopropyl Carbamoylchloride
Victor DeBarros, II

Panel 2:  Cannon Hall 110
Moderator: Alban Urbanas
Assessor: Richard Kashmar
A Study into the Infectious Rates of Lyme Disease among Deer Ticks in Delaware
James M. Welsh

Anaplasmosis and its Prevalence in Deer Ticks in the State of Delaware
Asia Addison

Panel 3: Parker Library 208
Moderator: Victor Greto
Assessor: TBD

World War II
Zachary Prescott

The Progressive Era
Amanda Davis

Panel 4: Wells Theater (Slaybaugh Hall 107)
Moderator: Jessica James
Assessor: Elizabeth Siemanowski

The Variations of Stalking Legislation
Taylor Elizabeth Trapp

A Case Study of Domestic Violence: Implications for Psychology and the Law
Tenaj Moody

Panel 5: Slaybaugh Hall 104
Moderator: Rebecca Benson
Assessor: TBD

The Effects of Riparian Buffers on Water Quality
David Payne

Microbial Biofilm Disinfectant Study: Contact Lenses
Angela M. Clemmons

Musical Performances: Session II
2:25 – 3:05

Chapel
Moderator: Jonathan Kidd

College Choir
James Wilson, Conductor
Wesley College Gospel Choir
Karla Jones, Conductor

Oral Presentations: Session II
2:25-3:05

Panel 1: Cannon Hall 7
Moderator: William Kroen
Assessor: Jill Cole

The Effects of Science in the Religiosity of Students
Rachel E. Hausler

Proving Bolzano-Weierstrass Theorem and Convergence of Special Sequences
Brittany N Kowalewski

Panel 2: Cannon Hall 110
Moderator: Alban Urbanas
Assessor: TBD

Esquivel's Reincarnation of Shakespeare
Terrance Olivo

Where Hip Hop and America Clash
Lance Toomer

Panel 3: Parker Library 208
Moderator: Victor Greto
Assessor: TBD

Icelandic Music Culture
Alex Dello Buono

The Impact of the Gaelic Revival Movement on Modern Irish Culture
Nia Fortier and Nicole Fortier

Panel 4: Wells Theater (Slaybaugh Hall 107)
Moderator: Jessica James
Assessor: TBD

United States Influence on Syrian Civil War
Kira Tieman
From Geronimo Pratt to H. Rap Brown
Terrance Wingate

Panel 5: Slaybaugh Hall 104
Moderator: Rebecca Benson
Assessor: Elaine Guertler

How the Tablet Industry is Changing Business and Society
Devan Bartell, Michael Chiedi, Hannah Martin, and Anthony Tagliaferro

A Look Into Creating a Wesley College App for Smartphones
Karen Wearden and Sean Hopkins

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**Poster Presentations Session II**

2:25-3:05 p.m.
College Center Lobby

Empowerment: Self-advocacy in the Management of a Cancer Diagnosis
Andrea Forsyth

College Students and “Grit”: An Investigation of the Relationships Among Impulsivity, Academic Self-Efficacy, Efficacy for Self-Regulated Learning, and Mindsets
Chris Fucetola

The Impact of Chronic Pain on Family Dynamics
Rebecca Martin

#Save The Wetlands
Brandon Reynolds and Christopher Gendreau

“I Control My Own Destiny”: An Analysis of Professionalism Levels of College Students in Relation to Self-Control and Self-Regulation Levels
Janel McCray

Child Life Development
Brenda Hollingsworth, Danielle Tearl, Beth Mooshegian, Megan Aiello, and Madison Saunders

A Comparison of the Rates of Solvolysis of 3-Chloropropyl Chloroformate at 25.0 Celsius and 32.0 Celsius
Ross Beauchamp

The Effect of Hunting on Population Dynamics of Delaware Wild Turkeys
Ashley Harmon
Analysis of 3-Chloropropyl Chloroformate in Methanol, EtOH-TFE, TFE, and HFIP Mixtures
Maryeah T. Pavey

Wesley College Efforts During National Chemistry Week
Kyle Gillespie

Enzymology
Wendi Clark

Bioremediation and Biodegradation
Tabitha Lambert

Lipid Profiling: An Important Test In Medicine
Jasbir Deol

Identification of Escherichia coli Strains Derived from the St. Jones River
Brett M. Sansbury

The Benefits of Sponsorship; Who Reaps More the Sponsor or the Organization?
Jasmine L. Belcher

Disseminating STEM Student Research Outcomes on Dynamic Webpages
Catherine Gross

Solvolytic Studies of Cyclohexyl Chloroformate
Laura Malinowski and Catherine Gross

Is Sea-level Rise Reflected in the Annual Rings of Marsh Fringing Trees?
Brooke Thompson

Studying Brewer’s Yeast Metabolism Using BioLog
Gabriel Alejandro Fernandez Bueno

Jeffrey MacDonald: Guilty or Innocent?
Rachel Kurtz

Origins of Life: Experiments in Molecular Self-Replication and Directed Evolution
Karri-Jo E. Walls
Musical Performances:  Session III
3:15 – 3:55

Chapel
Moderator: Saharat Pongsree

Whispering
Jana Dean

Composition Recital
Nick Oakley and Kia Smith

Oral Presentations:  Session III
3:15-3:55

Panel 1: Cannon Hall 7
Moderator: Lynn Everett
Assessor: Marcia Lawton

BMI, Impedance and Caliper Test for Comparison of Body Fat
Catherine Gross

Solvolysis of Diallylcarbamyl Chloride
Kyle Gillespie

Panel 2: Cannon Hall 110
Moderator: Paul Olsen
Assessor: Pat Sherblom

Kinetics of Yeast in Beer
Maryeah T. Pavey

The Distribution of the Lone Star Tick, Amblyoma americanum, and the Disease Human Monocytic Ehrlichiosis in the State of Delaware
Amber Wiltbank

Panel 3: Parker Library 208
Moderator: Julie Fisher
Assessor: TBD

California Bay Country
Samantha Mahoski and Kourtney Lake
Broad to Haight: A Students Guide from East to West but Nothing in Between!
Frederic Sottnick and Julian Borris

Panel 4: Wells Theater (Slaybaugh Hall 107)
Moderator: Colleen Di Raddo
Assessor: Elizabeth Siemanowski

Writing Codes for Computer Assisted Instruction
Riza C. Bautista

The Collaboration Between Media Arts and the New First Year Seminar
Danielle Reid, Jennifer Holland, Dylan Cochran and Derrick Schleich

Panel 5: Slaybaugh Hall 104
Moderator: Frank Fiedler
Assessor: Angela D’Antonio

Cincinnati v. Mapplethorpe
Isnara St. Phard

Hip-Hop on Trial: The case against Lil Kim
Tamisha Thomas

Oral Presentations: Session IV
4:05-4:45

Panel 1: Cannon Hall 7
Moderator: Lynn Everett
Assessor: Marcia Lawton

The Whetstone Goes Multimedia: How Multimedia Packages are Conceived and Produced for the Web
Brian Baker and Warren Gross

It's Elementary, My Dear Watson: Unraveling the Mystery of Thesis Statements in Peer Tutoring
Erin Bifferato

Panel 2: Cannon Hall 110
Moderator: Paul Olsen
Assessor: Pat Sherblom

Making the grey fox, weasel, and skunk a game species in Delaware
Alex Niezgoda
Changes in Sea Level Rise and how they affect Riparian Buffer Zones in the Broadkill Watershed
Kyle Frame

Panel 3: Parker Library 208
Moderator: Julie Fisher
Assessor: TBD

1920s: Prosperity and Panic
Caitlin Chaney

Sicily Diversity Background
Valarie Shorter

Panel 4: Wells Theater (Slaybaugh Hall 107)
Moderator: Colleen Di Raddo
Assessor: TBD

Asthma in College Students: Coping & Compliance
Taylor R. Harvey

The Relationship between Facility-Related Factors and Client Performance
Charlesha A. Harris

Panel 5: Slaybaugh Hall 104
Moderator: Frank Fiedler
Assessor: Angela D’Antonio

Madness in Me: The Insanity of John du Pont the Wealthiest Murder Defendant
John Jackson

The Story of Amy Grossberg and Brian Peterson
Sherleen Sabin

Poster Presentations Session IV
4:05-4:45 p.m.
College Center Lobby

Creation of a Smartphone App for Common Pesticides Used in Delaware
Benjamin Barile

Regression: Basic statistical tool in chemometrics
Jasbir Deol
Hypoxia Induced Metabolic Changes in Cancer Cells
Catherine Gross

Importance of Carotenoids, Anthocyanin and Vitamins to the Human Body
Doris Kwame

Medical and Ethical Implications of Inexpensive Genome Sequencing
Maryeah T. Pavey

Beta Carotene & Anthocyanin: A Biochemical Analysis for the Consumer
Victor DeBarros, II

Proving Bolzano-Weierstrass Theorem and Convergence of Special Sequences
Brittany N. Kowalewski

Writing Codes for Computer Assisted Instruction
Riza Bautista

The Effects of Diet, Exercise, Stress and Genetics on Aging
Rachel Hausler

The Economics of Microarrays
Thoria Custis

Centralized Database for Chloro- and Fluoro-formate Esters
Gabriel Alejandro Fernandez Bueno

The Positive and Negative Aspects of Food Additives
James M. Welsh

Treatment of Triple-Breast Cancer (TNBC): The interplay of Cancer, Chemotherapy and DNA Repair
Angela Clemmons

Understanding reaction pathways of agrochemical precursors
Brett M. Sansbury and Tabitha Lambert

Carbohydrate Metabolism
Brett M. Sansbury

Meningitis Around Your Campus
Cierra Brown, Chelsie Rogers, Fritz Corneille, Quiana Nixon, Glenn Patrick Aruta, Ruth Ann Elston and Ashten Bodofsky
The Relationship Between Impervious Surfaces, Urban Runoff, and Freshwater Discharge - A Case Study of Dover, DE
Zakary Fisch

Correlation of BMI to Gender, Lifestyle Factors and Behaviors Of College Students
Karri-Jo E. Walls

Biochemical Process of Major Diseases
Mouad Bekka

HIV Awareness and Prevention in the Nigerian Community in Delaware
Justina Okereh

A Calculus Based Approach to Estimate the Volume of Asteroids
Kasey Thompson

Wildcat Landfill
Becara Dalton

Reception in honor of all Scholars Day student participants
5:00-6:00
College Center 206

Members: Wesley College Choir
Emily Bentz  Natalie Bradley  Julianne Morris  Marissa Richardson  Emily Temple  Elizabeth Hazlett  Jelynn Frisby
Valerie Bucior  Yasmine Johnson  Erika Plez  Teledalase Ogundipe  Victoria Stayton  Beverly Joy Gordy-Stith

Members: Wesley College Symphonic Band
Crystal Meredith  Aubrey Krabill  Victoria Stayton  Esmeralda Elsakahawy  Alainna-Caitlyn Earl  Kylie Liberty  Amber Wiltbank  Rebecca Kolenkiewicz
Jason Kennedy  Nicholas Oakley  José Santana  Leah Lowery  Valarie Shorter  Eugene Nelson Jr.  Alec Alicea-Rivera

Members: Wesley Jazz Band
Kylie Liberty  Alec Alicea-Rivera  Alyssa Moat  Marissa Richardson  Esmeralda Elsakahawy
Eugene Nelson Jr.  Duane Wade  Jason Kennedy  Nicholas Oakley

Members: Wesley Gospel Choir
Shaylynn Bivens  Cory Brown  Shelby Cowans  Ruben Desane  Devante Ford  Elizabeth Hazlett  Destiny Hollis  Thearne Minick  Jabresha Nelson  Amanda Reed  Alyssa Smith  Andrea Stern  Natasha Warnock
JaiRonna Boskett  Aniah Cole  Essenam Daku  Leah Eubanks-Matress  Jelynn Frisby  Jessica Holder  Natasha Hurditt  Muriel Murray  Francis Quartey  Athena Richardson  Briana Smith  Shantae Taylor
### Photographers
- Rebeccah L Clifton
- Jasmine R Oden
- Charles J. Tyson
- Shanae B Higgenbotham
- Cheyenne D Lazarus
- Briana Matthews
- Khadijah R. Sanders
- Kennard A. Squirrel
- Rebecca K. Tham
- John W. Wolgamot

### Mentors
- Barbara Abbott
- Angela D’Antonio
- Lynn Everett
- Victor Greto
- Karla Jones
- Fairuz Lutz
- Jessica Pilewski
- Diane Stetina
- Alban Urbanas
- Susan Bobby
- Malcolm D’Souza
- Frank Fiedler
- Tery Griffin
- Jonathan Kidd
- Cynthia Newton
- Britannia Redington
- Stephanie Stotts
- Derald Wentzien
- Brian Cass
- Linda De Roche
- Susanne Fox
- Kathleen Jacobs
- William Kroen
- Agashi Nwogbaga
- Judith Strasser
- James Wilson
- Kathleen Curran
- Charlisa Edelin
- Frank Gregory
- Jessica James
- David Laganella
- Karen Panunto
- Nancy Rubino
- Elizabeth Siemanowski
- Yu Tian

### Moderators
- Jessica James
- Bill Kroen
- Jonathan Kidd
- Saharat Pongsree
- Rebecca Benson
- Julie Fisher
- Agashi Nwogbaga
- Frank Fiedler
- Lynn Everett
- Paul Olsen
- Alban Urbanas
- Colleen Di Raddo

### Assessors
- Jill Cole
- Richard Kashmar
- Marcia Lawton
- Elaine Guertler
- Pat Sherblom
- Angela D’Antonio
- Elizabeth Siemanowski

### Volunteers
- Edmund Baysah
- Ashley Calandra
- Shiela Mathis
- Regine Walley
- Ade Ricky Cole
- Matilda Avvey
- Jasmine White
- Alexis Branca
- Cara Baldridge
- Heather Bush
- Markita Jones
- Molly Johnson
- Katelyn Millar
- Cordon Whaley
- Bianca Walkes
- Ravyn Johnson
- Fedelina Paul
- Oliver Korngor
- Myla Lyles
- Rose Bondoe
- Jennifer Dieudonne
- Darrylyn Wilson
- Kayla Hodges
- Ashley Hudson
- Sam Lyon Kelly
- Ahee Davis
- Brittani Moss

### Special Thanks
- Jessica Cook
- April Mahoney
- Emily Woods
- Malcolm D’Souza
- Louise Major
- Kira Tieman and the SGA
- Patricia Dwyer
- Kris McGlothlin
- Anh Gibson
- Matt Mongomery

### Scholars Day Committee
- Valerie Perez
- Jerry Mench
- Elizabeth Marchioni
- Derald Wentzien
- Kraitwinee Bunyaratavej
- Kathleen Curran
Scholars Day is sponsored in part by the DE-INBRE and the DE-EPSCoR grants.