

# 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

**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 Sotnick 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

<p><b><u>Oral Presentations: Session IV</u></b> <b>4:05-4:45</b></p>
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**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 Valerie Bucior  
Natalie Bradley Yasmine Johnson  
Julianne Morris Erika Plez  
Marissa Richardson Teledalase Ogundipe  
Emily Temple Victoria Stayton  
Elizabeth Hazlett Beverly Joy Gordy-Stith  
Jelynn Frisby

**Members: Wesley College Symphonic Band**

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

**Members: Wesley Jazz Band**

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

**Members: Wesley Gospel Choir**

Shaylynn Bivens JaiRonna Boskett  
Cory Brown Aniah Cole  
Shelby Cowans Essenam Danku  
Ruben Desane Leah Eubanks-Matress  
Devante Ford Jelynn Frisby  
Elizabeth Hazlett Jessica Holder  
Destiny Hollis Natasha Hurditt  
Thearne Minick Muriel Murray  
Jabresha Nelson Francis Quartey  
Amanda Reed Althena Richardson  
Alyssa Smith Briana Smith  
Andrea Stern Shantae Taylor  
Natasha Warnock

## **Photographers**

Rebeccah L Clifton	Shanae B Higgenbotham	Cheyenne D Lazarus	Briana Matthews
Jasmine R.Oden	Khadijah R. Sanders	Kennard A. Squirrel	Rebecca K. Tham
Charles J. Tyson	John W. Wolgamot		

## **Mentors**

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

## **Moderators**

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

## **Assessors**

Jill Cole	Marcia Lawton	Pat Sherblom	Elizabeth Siemanowski
Richard Kashmar	Elaine Guertler	Angela D'Antonio	

## **Volunteers**

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

## **Special Thanks**

Jessica Cook	Malcolm D'Souza	Patricia Dwyer	Anh Gibson
April Mahoney	Louise Major	Kris McGlothin	Matt Montgomery
Emily Woods	Kira Tieman and the SGA		

## **Scholars Day Committee**

Valerie Perez	Elizabeth Marchioni	Kraiwinee Bunyaratavej	Kathleen Curran
Jerry Mench	Derald Wentzien		



**Scholars Day is sponsored in part by the DE-INBRE and the DE-EPSCoR grants.**