Oral Presentation Session

Program

March 29, 2018
10:00 AM - 4:30 PM

Delores P. Aldrige Auditorium
Thomas W. Cole Research Center for Science & Technology
10:00 am – 10:05 am  Welcome  
**Obie Clayton, Ph.D.**  
Director, Quality Enhancement Plan: MUSE  
Director, Center for Undergraduate Research and Creativity

10:05 am – 10:15 am  Opening Remarks, Undergraduate Session  
**Ronald A. Johnson, Ph.D.**  
President, Clark Atlanta University

10:15 am – 10:45 am  Undergraduate Panel I—STEM

*Forbidden Subgraphs for Doubly Chorded Pancyclicity*  
Zaniyah K. Dock, Mathematics, Junior  
Savanna Harrison, Mathematics, Junior  
Faculty Mentor: Megan Cream, Ph.D.  
Spelman College

*Binding of Histidine and Proline with Graphene in Gas and Aqueous Phases*  
Taylor A. Dorlus, Chemistry, Senior  
Dalia Daggag, Chemistry, Junior  
Faculty Mentor: Tandabany Dinadayalane, Ph.D.  
Clark Atlanta University

*Generating Stable Cell Lines with mCherry BRCA2 VUS in Human BRCA2 Knockout Cells*  
Iyani Kelly, Biology, Sophomore  
Faculty Mentor: Jaideep Chaudhary, Ph.D.  
Clark Atlanta University  
Faculty Mentor: Judit Jimenez-Sainz, Ph.D.  
Ryan Jensen, Ph.D.  
Yale University
10:45 am - 10:55 am  
**Undergraduate Creative Works Presentation**

**3D Design & Circuitry**  
Javae Obey, Fashion Design, Sophomore  
Ashley Celestine, Fashion Design, Sophomore  
Courtney Hall, Fashion Design, Sophomore  
Raven Brown, Fashion Design, Senior  
Faculty Mentor: Professor Ndirika Ekuma-Nkama

10:55 am - 11:35 am  
**Undergraduate Panel II—Social Sciences**

*Throw Away the Key: A Comprehensive Look at Delinquency and Juveniles Serving Life Without Parole*  
Amoni Moses, Criminal Justice, Senior  
Faculty Mentor: Stephanie Evans, Ph.D.  
Clark Atlanta University

*Juvenile Delinquency as a Social Problem: Mentoring as an Intervention for Positive Development*  
Stephanie Gillenwater, Psychology, Senior  
Faculty Mentor: Stephanie Evans, Ph.D.  
Clark Atlanta University

*A Mixed Method Analysis of Women who have Experienced Intimate Partner Violence*  
Janeyra J. Mitchell, Psychology, Senior  
Faculty Mentor: Medha Talpade, Ph.D.  
Clark Atlanta University
**Womanist Therapy in Practice: How Black Women Treat Black Women**
Tejal Boyd, Psychology, Senior
India Mason, Psychology, Senior
Takirra Jackson, Psychology, Senior
Keya Riggins, Psychology, Senior
Kenya Rogers, Psychology, Senior
Diamonique Bryant, Psychology, Junior
Kenya Norris, Psychology, Senior
Jody McCoy, Psychology
Antonia Porcher, Psychology, Senior
Camille Harris, Psychology
   Faculty Mentor: Kanika Bell, Ph.D.
Clark Atlanta University

11:35 am – 1:00 pm  **Break for lunch**

1:00 pm – 1:10 pm  **Welcome, Graduate Session**
   **Tamalyn Peterson, Ph.D.**
   Director, Graduate Programs and The Dr. Bettye M. Clark Graduate Resource Center

   **Greetings, Graduate Student Government Association**
   **Amanda-Louise Poole, Ph.D. in Humanities Graduate Program**
   President, Graduate SGA

1:15 pm–2:00 pm  **Graduate Panel I—STEM**

**Bent versus Parallel Orientations of \( \pi - \pi \) Interactions between Tyrosine and Graphene**
Dalia Daggag, Ph.D. in Chemistry Graduate Program
   Faculty Mentor: Dinadayalane Tandabany, Ph.D.
Clark Atlanta University
Binding of Single and Double Methane with Aromatic Hydrocarbons and Graphene
Jovian Lazare, Ph.D. in Chemistry Graduate Program
   Faculty Mentor: Dinadayalane Tandabany, Ph.D.
Clark Atlanta University

Cation-π Interactions of Selected Alkali Metal Cations with Two Benzene Rings Connected Through Linear Chains
Nouf Alshamrani, M.S. in Chemistry Graduate Program
   Faculty Mentor: Dinadayalane Tandabany, Ph.D.
Clark Atlanta University

2:00 pm–2:30 pm  Graduate Panel II—STEM

Influence of PS-b-PDMS-b-PS on Processing Electroactive Polymeric Fibers
Genefine Sapateh, Ph.D. in Chemistry Graduate Program
   Faculty Mentor: Ishrat Khan, Ph.D.
Clark Atlanta University

A Nonstandard Discretization and Numerical Simulation of the Mickens’ Law of Cooling
William Dula, M.S. in Applied Mathematics Graduate Program
   Faculty Mentor: Ronald E. Mickens, Ph.D.
Clark Atlanta University

2:30 pm-2:45 pm  Break

2:45 pm–3:30 pm  Graduate Panel III—Humanities

Black Existentialism: Beyond Race to the Foundation of European Colonialism
Hadrakel Reuven, D.A. in Humanities Graduate Program
   Faculty Mentor: Bess Montgomery, Ph.D.
Clark Atlanta University
Deconstructing Literature: A perspective of Women in Black Speculative Fiction
Tamara White, Ph.D. in Humanities Graduate Program
Faculty Mentor: Bess Montgomery, Ph.D.
Clark Atlanta University

The Struggle for Survival in 19th and 20th Century African American Women’s Autobiography: Black Women’s Narrative of Incarceration and Freedom
NaTosha Briscoe, D.A. in Humanities Graduate Program
Faculty Mentor: Rico Chapman, Ph.D.
Clark Atlanta University

3:30 pm – 4:15 pm Graduate Panel IV—Education and Social Sciences

The Investigation of Compulsory Education Laws
Frank Ortega, Ed.D. in Educational Leadership Graduate Program
Faculty Mentor: Felicia Mayfield, Ed.D.
Clark Atlanta University

Sticks and Stones: The Effects of Childhood Verbal Aggression on Self-Esteem and Intimate Relationships in Adulthood
Jana Jones, M.S.W. in Social Work Graduate Program
Faculty Mentor: Youseung Kim, Ph.D.

A Study on Educational Policy: School Choice Program Expansion
Timothy Williams, Ph.D. in Political Science Graduate Program
Faculty Mentor: Kurt Young, Ph.D.
Clark Atlanta University