RADFORD UNIVERSITY

Office of Undergraduate Research and Scholarship

Celebration of Student & Faculty Collaborative Research & Creative Activities

NOVEMBER 1, 2019

at 4:00 p.m. held in the Scartelli Atrium in the Covington Center

Welcome to the 3rd Celebration of Student and Faculty Collaborative Research!

In the 2018-2019 academic, Radford University saw Radford University faculty mentors and undergraduate students reach the highest level of dissemination together through their publications and performances. Today we highlight these great achievements and invite you to join in celebrating them.

The celebration will include student and faculty reflections on the importance of these transformative undergraduate research, scholarship, and creative experiences. Refreshments to follow.

Introduction/ Welcome

Dr. Joe Wirgau
Director of Office of Undergraduate Research & Scholarship

Student Speakers

Attia Mohamed
Class of 2019
Sebrena Williamson
Class of 2020

Faculty Speaker

Dr. Amanda Kellogg
Assistant Professor of English

Honorees

Husband Swap, or Swap Meats
Faculty: David Beach, Amanda Kellogg, Frank Napolitano
Students: Shaly Farmer, Mandi Widener, Rose Collins, Bekka Knost

Boot camps
Faculty: Riane Bolin
Students: Christina Poole

Visitation in prisons
Faculty: Riane Bolin
Students: Christina Poole

Shades of Gray: Colorblind Individuals May Prove Beneficial for Law Enforcement
Faculty: Tod Burke, Steve Owen
Students: Carly Swetz

The police use of naloxone
Faculty: Tod Burke, Steve Owen
Students: Chris Fleming

Sax Evasion: A Junior Recital
Faculty: Matthew Cataldi
Students: Christopher McNabb, Sierra Coakley

Song to the Moon: A Senior Recital
Faculty: Matthew Cataldi
Student: Zoe Jones

Honorees Continued

Microbacterium phage BonesMcCoy, complete genome
Faculty: Joy Caughron, Bob Sheehy
Students: Mawwell Barney, Connor Fox, Pravin Garskoff, Jonathan Gibson-Cramer, B. Gonzalez, April Hiett, Kelly Hodges, Laneigh Jones, Clint Krysa, Autumn Roberts, Jessica Wyllie, S. Caruso, R. Garlena, D. Russell, W. Pope, D. Jacobs-Sera, G. Hatfull

Microbacterium phage HanSolo, complete genome
Faculty: Bob Sheehy, Joy Caughron
Students: Mawwell Barney, Connor Fox, Pravin Garskoff, Jonathan Gibson-Cramer, B. Gonzalez, April Hiett, Kelly Hodges, Laneigh Jones, Clint Krysa, Autumn Roberts, Jessica Wyllie, S. Caruso, R. Garlena, D. Russell, W. Pope, D. Jacobs-Sera, G. Hatfull

Computational Study of Synergistic Effects of Electron Withdrawing Groups as Catalysts for Fullerene Formation
Faculty: Tim Fuhrer
Students: Chris Pregot

Functional Movement Screening Scores Among Brazilian Jujitsu Athletes in Correlation With Rank and Time in Sport.
Faculty: Melissa Grim, David Sallee, Angela Mickle
Student: Matthew Brisendine

Misogyny in American Culture: Education, Primary and Secondary
Faculty: Sarah Hastings, Tracy Cohn
Students: Elizabeth Cottrell, Julianna Williams

Honorees Continued

Green chemistry as the inspiration for impactful and inclusive teaching strategies
Faculty: Sarah Kennedy
Students: Rachel Chapman

Flat Top Frank
Faculty: Sean Kotz
Students: Lexi Cohen, Adian Chapman, Madison Griffin, Trae Price, Shakis Moore

Opening performance of Ttueokseom gallery-Have a nice dream
Faculty: Ji-Eun Lee
Students: Sebrena Williamson, Monica Tirado, Caroline Beard, Zoe Coumloumbis

Searching Darkness (The International Symposium on Electronic Art)
Faculty: Ji-Eun Lee
Students: Sebrena Williamson, Monica Tirado, Caroline Beard, Zoe Coumloumbis

Virginia Mathematics Teacher Journal, Fall 2018
Faculty: Agida Manizade, Jean Mistele
Students: Cameron Leo, Alex Largen

Virginia Mathematics Teacher Journal, Spring 2019
Faculty: Agida Manizade, Jean Mistele
Students: Cameron Leo, Alex Largen

Honorees Continued

Cryptic Faulting and Basin Inversion Revealed Through Geochronology of Volcanic Clasts in Conglomerate, Refined Using 3-D Models Obtained by UAVs
Faculty: Beth McClellan, Skip Watts
Students: Sophia Rasiak

Future Development Guided by Analysis of the Past: Field to Lab Study of Rift-to-Drift Deposits of the Neoproterozoic to Cambrian Chilhowee Group, SW VA
Faculty: Beth McClellan
Students: Sophia Rasiak, Sydney Lobins

Mapping the Virginian Jungle: Field Education Amongst the Rift-To-Drift Deposits of the Chilhowee Group, SW VA
Faculty: Beth McClellan
Students: Sophia Rasiak, Sydney Lobins

Coaching - American College Dance Festival
Faculty: Deborah McLaughlin
Student: Caroline Beard

Assessing summer bat activity using acoustic surveys at Radford Army Ammunition Plant, Virginia
Faculty: Karen Powers
Students: Heather Custer, Len Diloia

Honorees Continued

Investigating Campus Features that Influence Bird-window Collisions at Radford University, Virginia
Faculty: Karen Powers
Students: Lauren Burroughs, Breann Mullen, Hannah Reed, Zoe Krajcirovic

Programmable Automated System for Songbird Ecobehavioral Research (PASSER): Using flexible computer-integrated feeders to conduct high resolution studies of environment-behavior dynamics in songbirds
Faculty: Andrew Ray, Sarah Foltz, Jason Davis
Student: Conner Philson

A speaking-intensive model for case studies in undergraduate immunology
Faculty: Sarah Redmond
Student: Attia Mohamed

Teaching and Learning with Technology [TILT] – Gigapans, Drones, and 3D Models
Faculty: Parvinder Sethi
Students: Rebecca Edgell, Michaela May

Using DNA Barcoding to Identify Carcasses from Bird-window Collisions at Radford University
Faculty: Bob Sheehy, Karen Powers
Students: Claudia Paniagua-Ugarte

Identifying cyclicity and provenance through thin section petrology of shallow marine deposits in the Indo-Burman ranges
Faculty: Ryan Sincavage
Students: Emily Whately

Preparation of highly functionalized carbon nanoparticles using a one-step acid dehydration of glycerol
Faculty: Francis Webster
Students: Christopher Estes, Angela Gerard, John Godward, Spencer Hayes, Sabrina Liles, Jacob Shelton, Tyreek Stewart, Rebekah Webster

Lumina Working Group Report
Faculty: Allison Wisecup
Students: Amanda Burroughs, Lynda Burns

Handling times and saturating transmission functions in a snail–worm symbiosis
Faculty: Jeremy Wojdak
Students: Skylar Hopkins, Cari McGregor, Lisa Belden

"Red" by John Logan
Faculty: Wesley Young
Student: Drew Callahan