

13th Annual MCNAIR SUMMER RESEARCH SYMPOSIUM

July 15, 2016 SOUTHERN ILLINOIS UNIVERSITY CARBONDALE



Southern Illinois University Carbondale
Chartered 1869

**You are invited to the 13th Annual McNair
Scholars Research Symposium**

**Friday, July 15, 2016
9 a.m. to 3 p.m.**

John C. Guyon Auditorium, Morris Library

Scholars will present the results of their summer research conducted under the guidance of faculty mentors and the McNair staff. An awards ceremony will follow.

For more information, please contact
Stephanie Mayberry at 618/453-4582 or stephanie.mayberry@siu.edu

SIU SOUTHERN ILLINOIS UNIVERSITY
CARBONDALE **MCNAIR SCHOLARS PROGRAM**

Time	Title	Scholar Name and Faculty Mentor
9 a.m.	Opening Ceremony	
9:30 a.m.	Optimization of the Hydrothermal Liquefaction process using K ₂ CO ₃ as the Catalyst for Pre-Washed Solids	Emily Peterson, civil engineering Dr. Yanna Liang, civil engineering
9:45 a.m.	Exploration of Migrant Education Program implementation in the State of Illinois	Yahaira Heller, political science Dr. J. Tobin Grant, political science
10 a.m.	Examining the Effectiveness of Specific Mental Health Stigma Measures vs. General Mental Health Stigma Measures	Rudy Bacette, psychology Dr. Chad Drake, psychology
10:15 a.m.	Love & Hip Hop and the Portrayal of Black Women	Jordan Holman, Radio, TV & Digital Media Dr. Novotny Lawrence, Radio, TV & Digital Media
10:30 a.m.	Break	
10:45 a.m.	Does the Implicit Relational Assessment Procedure Predict Interaction with People Diagnosed with Attention-deficit/Hyperactivity Disorder?	Jorden Thomas, psychology Dr. Chad Drake, psychology
11 a.m.	The Effects of Probiotic Bacteria on Subjects following Traumatic Brain Injury	Norris Akpan, biological sciences Dr. Michael Hylin, psychology
11:15 a.m.	Electrophysiological assessment of long-term potentiation using in vitro hippocampal slices	Baylen Earles, biological sciences Dr. Greg Rose, Center for Integrated Research
11:30 a.m.	Family size and effects of depression and anxiety	Danette Abernathy, psychology Dr. Lisabeth Dilalla, Behavioral Social Science-SCM
11:45-12:50	Lunch	
1 p.m.	The Role of Perceived Stress and Social Support on an Undergraduate Student's Decision to Persist at a University	Shayla Brown, psychology Dr. Meera Komarraju, psychology
1:15 p.m.	Initially Correlated Open Quantum Systems and their Applications	Trevor Keen, physics/mathematics Dr. Mark Byrd, physics
1:30 p.m.	Testing for Ranavirus and Chytrid fungus interaction and facilitation of co-infection in Amphibians	Daniel Morales, zoology Dr. Robin Warne, zoology
1:45 p.m.	Assessing the Relationship between Hyper masculinity /Aggression and Mental Illness (Anxiety) in African American Men	Lloyd Coakley, psychology Dr. Tawanda Greer, psychology
2 p.m.	Break	
2:10 p.m.	Mentor Recognition & Scholar Awards	
2:30 p.m.	Closing Remarks	