



THE UNIVERSITY OF SOUTHERN MISSISSIPPI Derek
CENTER FOR UNDERGRADUATE RESEARCH
Eagle Scholars Program for Undergraduate Research
Fall 2015 Eagle SPUR Winners



Student	Department	Faculty Mentor	Title of Project
Paige Allen	Microbiology	Shahid Karim	<i>Ehrlichia chaffeensis</i> induced "sialome switching" in <i>Amblyomma americanum</i>
Joshua Bowman	Geography	Grant Harley	Using Tree-Ring Analysis to Reveal the Construction History of the Oldest Standing Structure in Mississippi – the LaPointe-Krebs House
Joel Coutu	Psychology	Hans Stadthagen Elena Stepanova	Implicit and Explicit Attitudes Toward Military Veterans
Rose Curtis	Chemistry	Karl Wallace	Molecular Sensors for Trace Metals
James Fountain	Construction Engineering Technology	Sandeep Langar	Implementation Patterns of BIM Outsourcing among General Contractors in the United States
Sarah Givens	Dance Performance and Choreography	Elizabeth Lentz-Hill	Music and Dance for Camera Work
Stephen Guthrie	Geography	Joby Bass	Field Mapping Remaining Tornado Damage in Hattiesburg, MS
Matthew Harris	Architectural Engineering Technology	Sandeep Langar	Design Studio Culture Policy in Accreditation Board of Engineering & Technology (ABET) Accredited Architectural Engineering Technology Programs
Amy Henderson	Social Work	Laura Richard	Bridging the Gap: Improving Mental Health Services for Children and Adolescents in Mississippi Schools
Jamie Henton	History	Douglas Bristol	To Stay in the South: The African American Decision to Stay and Move Within the South During the 1930's and 1940's
Alexander Jackson	Computer Science	Weihua Zhou	Using SPECT Imaging to Assess RFCA Treatment in WPW
Joseph Jelinski	Biology	Shahid Karim	Painless Tick Bite: Investigating the Functional Role of Novel <i>Amblyomma maculatum</i> Metalloproteases in Pain Suppression
Mary Ryan Karnes	English	Andrew Malan Milward	Tubesock: An Analysis and Creative Exploration of the Evolving Bildungsroman
Jamiaus Marion	Dance	Elizabeth Lentz-Hill	The Progression of a Dramatic Fever (A Devised Dance Theatre Work)
Janine Nowak	Polymer Science	Joseph Lott	Polymers for Colorimetric Sensing of Oil in Water
Rachel Paris-Harison	Psychology	David Echevarria	Behavioral and Physiological Response to a Predator Following Sleep Cycle Manipulation in Adult Zebrafish
Ivy Rayborn	Psychology	Amanda Williams Claire Kimberly	Adolescent Perception of Plus-Sized Models in the Media
Mary Donise Travis	Geography	Mark Miller	Delta Hands for Hope: A Force for Reconciliation and Sustainable Community Development in the Mississippi Delta?
Alexis Tymkiw	Marketing	Jamye Foster	Emotions Involved in Shopping at the Airport

Cheri Voth	Biological Sciences	Hao Xu	The Involvement of Synaptotagmin II in the Selection of Vesicles for Degranulation in Mast Cells
Suzette Wafford-Turner	Biological Sciences	Hao Xu	Generation of a Mutant SNAP-23 to Arrest Mast Cell Degranulation After Trans-SNARE Complex Formation
William Walker	Polymer Science	Jason Azoulay	Selenium Derivatized Narrow Band Gap Conjugated Polymers for Infrared Light Detection
Aaron White Felicia Gray	Psychology	Michael Mong Hans Stadthagen	Veterans on Campus: PTSD Symptoms, Coping Mechanisms, and Social Integration