

## 2012-2013 Grant Recipients

11-13 minutes

### FALL: UNDERGRADUATE SCHOLAR ASSISTANTSHIPS (USA)

**Dr. Lydia Gan**, Dept of Finance and Decision Science

- Project: The Participation of Insurers in Medical Tourism
- Student Assistant: **Jessica Jones**

**Dr. Lisa Kelly**

- Project: Expanding and Digitizing the UNCP Herbarium
- Student Assistant: **Sutton, Andrew M**

**Prof. Brandon Sanderson**

- Project: Tonal Intaglio Methods in Achromatic and Color
- Student Assistant: **Jimenez, Daniela**

**Dr. Kelly Charlton**

- Project: Character perception; colloquialisms and identity; space in learning; inoculation from judgment
- Student Assistant: **Green, Christopher**

**Dr. Debby Hanmer / Dr. Lee Phillips**

- Project: Characterization of Various Biochars using Microanalysis and Imaging
- Student Assistant: **Evans, Indya Z**

**Dr. Betty Brown & Dr. H.K. Dial Sellers**

- Project: Promise Neighborhoods: Community resources and schools working together for better involvement
- Student Assistant: **Blue, Lauren Kelly**

**Dr. Mark Canada**

- Project: Wolfe and the West
- Student Assistant: **Fowler, Savanna**

**Dr. Siva Mandjiny**

- Project: Bio-Mimicking Pyruvate to Inhibit Lactate Dehydrogenase
- Student Assistant: **Brockington, Davita**

**Dr. Bill Brandon and Dr. Tom Dooling**

- Project: The Universal Nature of Driven Oscillations
- Student Assistant: **Guadalupe, Luis**

**Dr. Stephen Marson**

- Project: Focus Group (Student will transcript verbatim)
- Student Assistant: **Taylor, Brittany A**

**Dr. Erik Tracy**

- Project: Differentiating Personal Characteristics through Speech
- Student Assistant: **Loftin Bell, Lauren C.**

## **SPRING: USA**

**Dr. Jeremy Sellers**, Department of Biology

- Project: Population genetics of the red imported fire ants, *Solenopsis invicta*, in disturbed versus natural habitats
- Student Assistant: **Nigel Hirth**

**Dr. Lisa Kelly**, Department of Biology

- Project: Trophic Ecology of Invasive Fire Ants in Natural Ecosystems
- Student Assistant: **Betty Haughn**

**Dr. Betty Brown**, Department of Educational Specialties

- Project: Continuation of the Promise Neighborhoods: Community resources and schools working together for better involvement
- Student Assistant: **Lauren Kelly Blue**

**Prof. Hal Davis**, Department of Music

- Project: The Last Unicorn stage play performance
- Student Assistant: **Stephen Shane**

**Dr. Michele Fazio**, Department of English

- Project: Voices of the Lumbee
- Student Assistant: **Amelia Philbrook**

**Dr. Chiuchu (Melody) Chuang**, Department of Ed Special

- Project: Factors Contributing to Student Learning Outcomes of Online Collaborative Projects
- Student Assistant: **Keri Locklear**

**Dr. Erik Tracy**, Department of Psychology

- Project: Judging Personal Characteristics through Speech
- Student Assistant: **Lauren C Loftin Bell**

**Dr. Bill Brandon**, Department of Chemistry & Physics

- Project: Implementation of High Power Laser Facility
- Student Assistant: **Austin Griffin**

**Prof. Brandon Sanderson**, Department of Art

- Project: The Graphic Story of Gilbert Patterson
- Student Assistant: **Lindsay Roberts**

**Dr. Paul Flowers**, Department of Chemistry & Physics

- Project: Imaging and Quantifying Microiontophoresis from Multi-barrel Carbon Fiber Probes
- Student Assistant: **Mac Davis**

**Dr. Meredith Storms**, Department of Chemistry & Physics

- Project: The Impact of Hair Dyes on the Determination of Dextromethorphan in Hair
- Student Assistant: **Qui'Aaja Daniels**

**Dr. Freya Liu**, Department of Psychology

- Student Assistants: **Patience Fortner** and **Rachael Cole**

**Dr. Brooke Kelly**, Department of Sociology and Criminal Justice

- Project: Farmer Interview Project
- Student Assistant: **Jeff Cooper**

**Dr. Debby Hanmer**, Department of Biology

- Project: Mapping Local Food Connections in Robeson County
- Student Assistant: **Scott Tyson**

## **SUMMER: USA**

**Dr. Michele Fazio**, Department of English and Theater

- Project: Voices of the Lumbee
- Student Assistant: **Torres, Sandra**

**Prof. Brandon Sanderson**, Department of Art

- Project: Technical Exploration in Experimental Fine Art Lithography
- Student Assistant: **Jimenez, Daniela**

**Dr. Rita Hagevik**, Department of Biology

- Project: The effect of a resiliency program approach using mobile devices on managing risk and protective factors among science education, preK, and elementary education students
- Student Assistant: **Tulud, Jessica**

**Drs. Jamie Litty and Nathan Phillippi**, Department of Mass Com

- Project: Cultural Geography of Scotland County
- Student Assistant: **Campbell, Matthew**

**Dr. Len Holmes**, Department of Chemistry & Physics

- Project: Determining Minimal Inhibitory Concentrations for Antibacterial Metabolites Secreted by *Xenorhabdus nematophila*
- Student Assistant: **Bowen, Matt**

**Dr. Rose Stremlau**, Department of History

- Project: Lowry Ledger Book
- Student Assistant: **Strickland, LeAnn**

**Prof. Brandon Sanderson**, Department of Art

- Project: Colored Narrative Development in High Impact Polystyrene Engravings
- Student Assistant: **Spruill, Rebecca**

**Prof. Brandon Sanderson**, Department of Art

- Project: Etching and Engraving in the Manner of Albrecht Durer
- Student Assistant: **Todd, Kara**

**Prof. Brandon Sanderson**, Department of Art

- Project: Traditional Japanese Ukiyo-e Printmaking and Experimental Mixed Media
- Student Assistant: **Thayer, Reilley**

**Prof. Brandon Sanderson**, Department of Art

- Project: The History of Arizona and Colorado Depicted through Photolithography and Etching
- Student Assistant: **Sykes, Stefanie**

**Dr. Siva Mandjiny**, Department of Chemistry & Physics

- Project: Immobilization of Lactate Dehydrogenase
- Student Assistant: **McAllister, Kamishia**

## STUDENT SCHOLARSHIP SUPPORT

**Lateesah Caswell**

- Mentor: **Prof. Brandon Sanderson**
- Project: Large Achromatic Woodcuts

**Emily Beahm**

- Mentor: **Amy Gross, M.S.**
- Project: The effects and hazards associated with the 1886 Charleston, SC Earthquake

**Anna Sanford**

- Mentor: **Dr. Patricia Sellers**
- Project: The Influence of Wind on the Occurrence of Chydorus bicornutus in the Zooplankton in Krinshaw Pond

**Lauren Ellerbe**

- Mentor: **Prof. Brandon Sanderson**
- Project: Pen and Ink Drawings after Pieter Brueghel the Elder and Hieronymous Bosch

## 2012-13 STUDENT TRAVEL GRANTS

STUDENT NAME	FACULTY MENTOR	MEETING
Mallory McAden	Brandon Sanderson	Frogman's Print and Paper Workshop

Project Title: Frogman's Print and Paper  
Workshop

Lindsay Roberts

Tulla Lightfoot NC Art Education  
Association Conference

Project Title: Frogman's Printmaking Workshop  
Presentation

Lindsay Roberts

Brandon Frogman's Print and  
Sanderson Paper Workshop

Project Title: Frogman's Print and Paper  
Workshop

Daniela Jimenez

Brandon Frogman's Print and  
Sanderson Paper Workshop

Project Title: Frogman's Print and Paper  
Workshop

Christopher Green

Kelly Charlton 2012 APS Convention

Project Title: Online Gaming Motivations and  
Personlity

Daniela Jimenez

Brandon UNT Visiting Artist  
Sanderson Presentation and  
Workshop

Olivia Bullard

Ben Bahr

AISES                      Natioanl  
Conference and Career  
Fair

Project Title: Testing a Neuroprotectant for  
Improving Memory in Aged Rats

Armando Corona

Rachel Smith

SE Regional Meeting of  
the American Chemical  
Society

Project Title: Solid-phase peptide synthesis and  
solid state NMR analysis of GRF

Austin Lowry

William  
Brandon

AISES                      Natioanl  
Conference and Career  
Fair

Project Title: The most economical PC-based  
audio laser transmission and reception possible -  
explained

Natalie Singletarya

Rohald  
Meneses

International  
Orgnaization of Social  
Sciences and Behavioral  
Research

Project Title: College Students' Perceptions: The  
CSI Effect and other Common Misconceptions

Raymond Miller

Rohald  
Meneses

International  
Orgnaization of Social  
Sciences and Behavioral  
Research

Project Title: Do Crime Shows Impact High Students' Attraction for Forensic Science Programs? An empirical analysis of the CSI effect

Tiffany Rene Scott

Tim Ritter

AISES National  
Conference and Career  
Fair

Project Title: The Effects of Gravity on the Cori Cycle

Kellie Van Dyke

Rohald  
Meneses

American Society of  
Criminology Annual  
Meeting

Project Title: a test of general strain theory among military women and men

Natalie Klemann

Rohald  
Meneses

American Society of  
Criminology Annual  
Meeting

Project Title: a test of general strain theory among military women and men

Anna Sanford

Lee Phillips

Geological Society of  
America

Project Title: Comparison of grain size analysis techniques for classification of rim sands from the Jones Lake Carolina Bay

Darryl Mott

Lee Phillips

Geological Society of  
America



Project Title: Comparison of grain size analysis techniques for classification of rim sands from the Jones Lake Carolina Bay

Edward Derosier

William  
Brandon

2012 Joint Meeting of  
the SPS and NCS-AAPT

Project Title: Flexible and Inexpensive Laser Kit for Laboratory-based Homework

Luis Guadalupe

William  
Brandon

2012 Joint Meeting of  
the SPS and NCS-AAPT

Project Title: Data Mining the electroluminescent quantum energy relation

Davita N Brockington

Davita  
Brockington

N SE Regional Meeting of  
the American Chemical  
Society

Project Title: Bio-mimicking pyruvate to inhibit lactate dehydrogenase

Austin Griffin

William  
Brandon

2012 Joint Meeting of  
the SPS and NCS-AAPT

Project Title: An alternative approach to touchpad technology// A simple, robust, and inexpensive ultrasound interference apparatus

Patience Fortner

Freya Liu

20th International  
Conference on  
Comparative Cognition

Project Title: Vocalizations in Nut-Cracking by  
Wild Capuchin Monkeys in Piaui, Brazil

Christoher Hudson

Charles Lillie

Alpha Chi  
Convention

National

Project Title: A Projected Future of Software,  
Hardware and Market Trends of Tablet  
Computers

Davita N Brockington

Davita  
Brockington

N Alpha Chi  
Convention

National

Project Title: Bio-mimicking pyruvate to inhibit  
lactate dehydrogenase

Dolores Arreguin-Carey

Mario  
Paparozzi

Alpha Chi  
Convention

National

Project Title: Women in Combat: Should  
Selective Service be Mandated?

Lauren Bell

Erik Tracy

Alpha Chi  
Convention

National

Project Title: Judging Personal Characteristics  
through speech

Lori Vignali

Gretchen  
Robinson

Alpha Chi  
Convention

National

Project Title: Comparing Mathematic Abilities of  
Children with Autism in Middle School

Betty Haughn

Lisa Kelly

NCAS

Project Title: The Trophic ecology of invasive fire ants in natural ecosystems in NC

Betty Haughn

Lisa Kelly

Association of  
Southeastern Biologists

Project Title: The Trophic ecology of invasive fire ants in natural ecosystems in NC

Rachel Cole

Freya Liu

NCAS

Project Title: Handedness of wild capuchin monkeys in position events

Jessica Tulud

Irina Falls

NCACTE

Project Title: The Effect of a Resiliency Program approach using mobile devices on managing risk and protective factors among pre-k, elementary, and science education majors

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