



# **SUPERB Scholarship Program 2018 Summer Institute**

**August 7—10 • Carbondale, IL**

## **WELCOME**

Dear SUPERB Scholars,

We are elated to welcome you to Little Egypt, the land of confluence of the three major North American rivers and home to SIU. It is a privilege to work with you and see your enthusiastic participation, perseverance and commitment.

This second Summer Institute will help us share our experiences over the past year, afford us the chance to learn from each other and continue to develop professional and personal relationships centered on our shared experiences and interests in documenting our region's biodiversity. We hope that the Summer Institute will also serve as a milestone that allows you to evaluate your development as a scientist-in-training.

The training that you are receiving is preparing you to become an efficient scientist who understands the value of scientific collections and the practices needed to build and maintain them. We are confident that implementation of the practices you are learning will increase the relevance of your research, further our understanding of natural phenomena and comply with the ethical responsibility of preserving our planet's biodiversity. The training of competent scientific personnel has become urgent as human impacts on climate and landscape increasingly expose wild populations to shifting distributions and new ecological dynamics. Some of these changes are already altering ecosystem productivity and facilitating the spread of pests and disease, causing problems that are increasingly difficult to ignore. We hope that the training we offer you will empower you to help develop solutions of societal relevance.

We have several activities planned to increase our interactions and get to know the characteristics of the northern portion of the Upper Delta. Welcome to the Second Summer Institute!

Sincerely,

SUPERB Faculty Members at Southern Illinois University Carbondale

**Dr. Frank Anderson**  
Zoology

**Dr. Jessica Crowe**  
Sociology

**Dr. F. Agustín Jiménez**  
Zoology

**Dr. Nancy Garwood**  
Plant Biology

**Dr. Kurt Neubig**  
Plant Biology

**Dr. Sedonia Sipes**  
Plant Biology



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## AGENDA

### TUESDAY, AUGUST 7

4p	Meeting registration Set up posters (Session 1)	Little Grassy Lodge (LGL) Lobby
5:30—5:45p	Welcoming remarks <b>Dr. Agustín Jiménez, Southern Illinois University Carbondale</b>	LGL Friends Room
5:45—6:30p	Dinner	LGL Friends Room
6:30—7:30p	Assessment presentation and administration <b>Dr. Jessica Crowe, Southern Illinois University Carbondale</b> <b>Sheila Stowers, Arkansas State University</b>	LGL Friends Room
7:30—9p	Poster Session 1 (Posters 1—16)	LGL Friends Room
9p	Insect Light Trap	Oikos Rd.

### WEDNESDAY, AUGUST 8

7—7:45a	Breakfast	LGL Friends Room
7:45—10a	Hike through Touch of Nature or Giant City State Park	
10a—12p	Learning About Little Egypt <b>Scott Ballard, Illinois Department of Natural Resources</b>	LGL Friends Room
12—1p	Lunch (Faculty lunch meeting)	LGL Friends Room
1—3p	A Career as a “Biodiversitist” <b>Scott Ballard, Illinois Department of Natural Resources</b> <b>Kevin Cummings, Illinois Natural History Survey</b> <b>Marcy Revelez, Centers for Disease Control and Prevention</b>	LGL Friends Room
3—5p	Poster Session 2 (Posters 17—38)	River Radio Retreat
5—6p	Break	
6—7p	Dinner	LGL Friends Room
7p	Activities related to areas of expertise	



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### THURSDAY, AUGUST 9

7—7:45a	Breakfast	LGL Friends Room
7:45—8:30a	Departure to the Cache River	
8:30—11:30a	The Riparian Habitat: Kayaking through the Cache	
11:45a	Lunch	
12p	Return to Touch of Nature	
1p	Break	
2p	Faculty Meeting	LGL Friends Room
4—6p	Women Working on Biodiversity Research <b>Session Moderator: Tanja McKay, Arkansas State University</b> <b>Dr. Nancy Garwood, Southern Illinois University Carbondale</b> <b>Kari Harris, Arkansas State University</b> <b>Marcy Revelez, Centers of Disease Control and Prevention</b> <b>Elizabeth Shimp, US Forest Service</b>	LGL Friends Room
6—7p	Dinner	LGL Friends Room
7p	Activities related to areas of expertise	LGL Friends Room

### FRIDAY, AUGUST 10

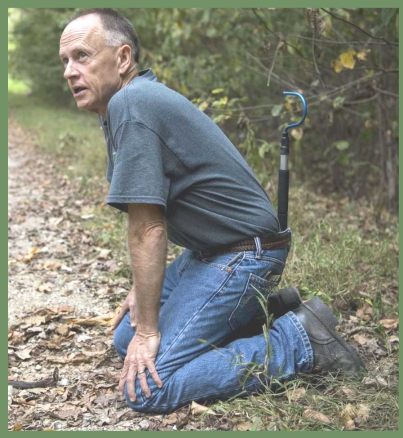
7—8a	Breakfast	LGL Friends Room
8—9a	Leveraging Collections Preservation, Research, and Outreach through a Network of Natural History Collections Clubs <b>Kari Harris, Arkansas State University</b>	LGL Friends Room
9a	Closing remarks <b>Dr. Agustín Jiménez, Southern Illinois University Carbondale</b>	LGL Friends Room



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## GUEST SPEAKERS



### Scott Ballard

Natural Heritage Biologist/Herpetologist  
Illinois Department of Natural Resources

Scott Ballard is a Natural Heritage Biologist/Herpetologist for the Illinois Dept. of Natural Resources, and received his master's degree in zoology from Southern Illinois University Carbondale. Some of his job duties include managing high quality natural areas, both nongame and endangered/threatened species in southern Illinois, and is the project leader for the Alligator Snapping Turtle Recovery effort as well as assisting Law Enforcement with illegal reptile cases statewide.

### Kevin Cummings

Research Scientist, Curator of Mollusks  
Illinois Natural History Survey



Kevin is a lifelong resident of Illinois: born and raised in Chicago (rabid Bears and White Sox fan and aficionado of Chicago blues). He obtained B.S. and M.A. degrees in zoology from Southern Illinois University in Carbondale and has been employed as a research scientist and Curator of Mollusks at the Illinois Natural History Survey at the University of Illinois in Champaign since 1983. He is also a research associate at the Field Museum in Chicago, the Carnegie Museum in Pittsburgh, and the Academy of Natural Sciences in Philadelphia.

His research interests are in the areas of conservation, systematics and ecology of freshwater mollusks and the protection of freshwater habitats; primarily streams. Recent research has centered around the global diversity of freshwater mussels, particularly Central and South America and for the past five years his lab has been investigating freshwater mussel diversity and population trends throughout Illinois.

He has conducted fieldwork on mollusks around the world including the Amazon, Orinoco, Zambezi, Congo, Mississippi and Xingu river systems. He serves on various state, federal, and professional society committees on conservation of freshwater mollusks including: Illinois Endangered Species Technical Advisory Committee (ESTAC) on Invertebrates, American Fisheries Society, Endangered Species Committee, Endangered Freshwater Mussels Subcommittee, American Malacological Society, Conservation Committee, the Upper Mississippi River Conservation Committee and the International Union for the Conservation of Nature (IUCN).

He is a Past President of the Freshwater Mollusk Conservation Society and the 2008 recipient of the Illinois Chapter of the American Fisheries Society, Stephen A. Forbes Excellence in Fisheries Award. He received the 2013 Outstanding Public Service Award From prairie Rivers Network. Kevin received the Freshwater Mollusk Conservation Society - Lifetime Achievement Award in March 2015.



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## GUEST SPEAKERS

### **Kari Harris**

**Instructor of Biology, Club Coordinator  
Arkansas State University**

Kari Harris is an instructor of Biology and club coordinator for the College of Sciences and Mathematics at Arkansas State University. Kari graduated with her Masters of Art in Biology in 2014 and digitized the Arkansas State University (STAR) Herbarium as her major project. Through that work she formed connections with collections organizations such as iDigBio and the Society for the Preservation of Natural History Collections (SPNHC). In 2013, Kari founded the SPNHC Emerging Professionals Committee and has since helped SPNHC organize activities and events for emerging professionals in natural history fields at the annual SPNHC meetings. In 2013 Kari also co-founded the A-State Natural History Collections Curation Club (NHC3) which later expanded to a network of students clubs (The Natural History Collections Club Network) across the United States. Kari continues to be passionate about helping students achieve their goals and finding ways for students to be more involved in natural history collections and to take on leadership roles in those collections and at their universities.



### **Marcia Revelez**

**Collections Manager  
Centers for Disease Control and Prevention**

Marcia (Marcy) Revelez is the Collections Manager of the CDC Biorepository, the centralized biorepository for the Centers for Disease Control and Prevention (CDC). It is operated by the Center for Surveillance, Epidemiology, and Laboratory Services (CSELS) within the Division of Laboratory Systems (DLS). Revelez joined the CDC in 2016 after working in natural history museums for over 20 years. She began working in natural history collections at Angelo State University (San Angelo, TX) where she earned both her undergraduate and graduate degrees. While she has worked in museums and managed a variety of natural history collections, her specializations include mammalogy, genomics, integrated pest management, and outreach.



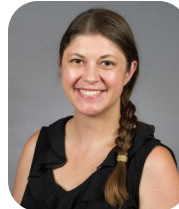
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## PARTICIPATING FACULTY



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## MEETING NOTES

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