

Kris Braman

#### Signature areas



#### Signature areas



#### The University Excellence in core areas of Georgia

- Insect Host-Pathogen Relationships, and Insect Molecular Biology
- Vector Biology and Management, and Wetland Ecology/Aquatic Entomology
- IPM/Applied Insect Ecology and Population Management, and Biological Control in GA Agricultural Production
- Systematics and Evolutionary Biology
- Urban Entomology and Urban Agriculture/Pest Management

#### The University Students of Georgia

- Grad & undergrad graduating total for spring 2016: 20
- Grad & undergrad projected graduating total for fall 2016: 18
- Grad students total: 56 (18 PhD) (25 MS) (13 MPPPM)
- Undergrad ENTO students total: 27
- Undergrad BTEC students total: 63

## Award winning Students Of Georgia

 Grad students have secured over 100 local, regional and national awards just in 2013-2016

#### The University Highly regarded faculty of Georgia

- 4 of the last 7 Presidents of the SEB/ESA have come from UGA
- Teaching awards Darold Batzer, Marianne Shockley
- Recognition Award in Entomology- David Riley
- Faculty Research Mentor of the year Award- Gaelen Burke



#### Entomology

MANTODEA

Undergraduate 👻 Graduate 👻 Research 👻 Extension 👻 People 👻





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The risk of Zika is low but Georgians should reduce mosquito populations where they can



NPR Interview on Blueberries in GA with Dr. Ash Sial

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Explore What a Degree in Entomology Can Do For You

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College of Agricultural & **Environmental Sciences** UNIVERSITY OF GEORGIA

STUDENTS ALUMNI DEPARTMENTS EXTENSION RESEARCH PUBLICATIONS TOPICS A-Z CALENDAR NEWS

#### Georgia FACES

NEWS TO USE ABOUT GEORGIA FAMILY, AGRICULTURAL, **CONSUMER & ENVIRONMENTAL SCIENCES** 

Published on August 10, 2016

The risk of Zika is low but Georgians should reduce mosquito populations where they can

#### By Elmer Gray

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School is back in session in most parts of Georgia, and many families are returning to their normal routines. But less time chasing summertime adventures may mean more time consuming news and, unfortunately, new stories about the Zika virus.

While it's vital that Georgians do what they can to minimize mosquito populations on their own property and

to avoid unnecessary mosquito exposure, it's important to keep the risks in perspective.

While the news broke last week of 15 cases of locally transmitted Zika in a 1square-mile area in Miami, local transmission of the virus in south Florida was not unexpected.

The area is home to significant populations of the primary vector of Zika virus the yellow fever mosquito, Aedes aegypti - and is home to many people who travel to areas of active transmission in South and Central America, the Caribbean and Mexico.

While Georgia is home to only 42 of more than 1,818 travel-related Zika cases reported in the U.S., Georgia's population of Zika's primary carrier - the Aedes aegypti mosquito — is unusually low, according to surveillance conducted by Rosmarie Kelly of the Georgia Department of Public Health.

Georgia's population of the yellow fever mosquito can accurately be described as a remnant population.



Mosquito season is almost over, but Georgians should minimize populations where they can. Image credit: CDC. (view image)



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**UGA Extension Pubs** 

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Experts/Sources

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#### A vision for the future of the Entomology Department at the University of Georgia



 The Entomology Department at the University of Georgia is highly ranked and widely recognized for the strength and balance of its programs in core areas.

 Future planning should address the current and emerging priorities in the discipline in a way that meets the needs of the agricultural, urban and industry clientele that we serve under the Land Grant Mission.

#### Prioritize Some Pests are Bigger than Others!

#### Rapid response

#### The University of Georgia

Elmer Gray Brian Forschler Dan Suiter Mark Brown Don Champagne Mike Strand Darold Batzer



# Responsive to emerging invasive pests



### **Challenges and Opportunities**

THIS SIGN, THAT BRIDGE

#### The University Departmental Balance of Georgia



### Strategies

- Evaluate current program offerings in relation to market demand/demographics
- Emphasize our great strengths in research and extension to build signature programs
- Extend existing programs where appropriate
- Revise current programs as needed
- Expand distance options

## Growth Opportunities of Georgia

- Grow external funding
- Balance between basic and applied research
- Exceptional teaching and extension programs

## Growth Opportunities of Georgia

- Hiring exceptional young scientists in all faculty positions as opportunities arise
- Grow our graduate programs
- Grow the entomology and applied biotechnology undergraduate majors

### Teaching

- Provide every student an opportunity to engage in research with outstanding faculty
- Provide every student an opportunity for experiential/service learning experiences
- Enhance graduate and professional programs

### **Grand Challenge**

- The University of Georgia
- Improve the human condition through insect science



Agricultural and Environmental Science
Background- Broadly Trained
Forestry (SUNY ESF)
Row Crop Agriculture (UK)
Urban Agriculture (UGA)





#### **Leaf ultrastructure Studies**



Lace bugs feed through stomata on underside of leaves





# Parasitic wasp that attacks of Georgia and kills lace bug eggs

#### Mymarid wasp next to An azalea leaf hair



Parasitized lace bug egg next to leaf midrib. Wasp has chewed a circular hole in the lace bug egg and emerged

#### Leptodictya plana The University of Georgia

















### Engagement

### Resources

Beneficial Insects, Spiders and Mites

#### The University Hands-on classroom of Georgia





#### Leadership and Administrative Experience

- Professional Societies
  - President, Georgia Entomological Society

The University

of Georgia

- President, SEB ESA
- Director, GA Center for Urban Agriculture
   2011- present
- Interim Assistant Dean/ UGA-Griffin
   Oct. 2014- Oct. 2015

#### Partnership, Communication, The University Collaboration of Georgia

Urban Ag Center Advisory Group Planning Meeting- December 2014



