

Overseas Chinese Entomologists Association (OCEA) 海外华人昆虫学家协会

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**Annual Meeting of Entomological Society of America
St. Louis, MO, USA | November 19, 2019**

**Xuguo "Joe" Zhou
Department of Entomology
University of Kentucky**

USA
➤ USDA
➤ NSF
➤ NIH

CHINA
➤ NSFC



Outline

- **China-based Entomologists**
- **USA-based Entomologists**
 - **Established Researchers**
 - **Junior Scientists**
- **Messages**



Shusheng Liu

Zhejiang University
Professor



1. Significant papers

Eleven papers, including *PNAS*, *Proceedings of the Royal Society B-Biological Sciences*, *Science Advances*, *Virology*, *Phytopathology*, *BMC Genomics*, *Scientific Reports*, *Insect Science*, *Virology Journal*, *Mitochondrial DNA Part B*

2. Significant research grants

Key project of the National Natural Science Foundation of China: The molecular mechanisms underlying the manipulation of crop resistance to insects by monopartite geminiviruses, 3.08 m RMB, project leader

3. Significant award or recognition

ESA Fellow

4. Student(s) graduated

3 PhD students and 3 MS students finished their degrees



刘树生教授、王晓伟教授、王华玲博士与盖茨基金会农业项目官员Christina Owen博士（右3）、项目负责人John Colvin教授（左3）、乌干达国家农业科学院Christopher Abu Omongo研究员（左2）于2015年2月27日至3月6日赴乌干达首都坎帕拉出席了由该基金会资助立项的非洲木薯粉虱项目(African Cassava Whitefly: outbreak causes and sustainable solutions) 的项目启动会。

Xiaowei Wang

Zhejiang University
Professor



1. Significant papers

Four papers, including *PNAS*, *PLoS Pathogens*,
Virology, *Insect Molecular Biology*

2. Significant research grants

The National Science Fund for Distinguished Young Scholar

3. Organizing symposia or other professional meetings

07/2019 Organized Session 3: Insect Vectors of Plant and Animal
Diseases during The Second International Conference on Insect Pest
Management, Guiyang, China

4. Student(s) graduated

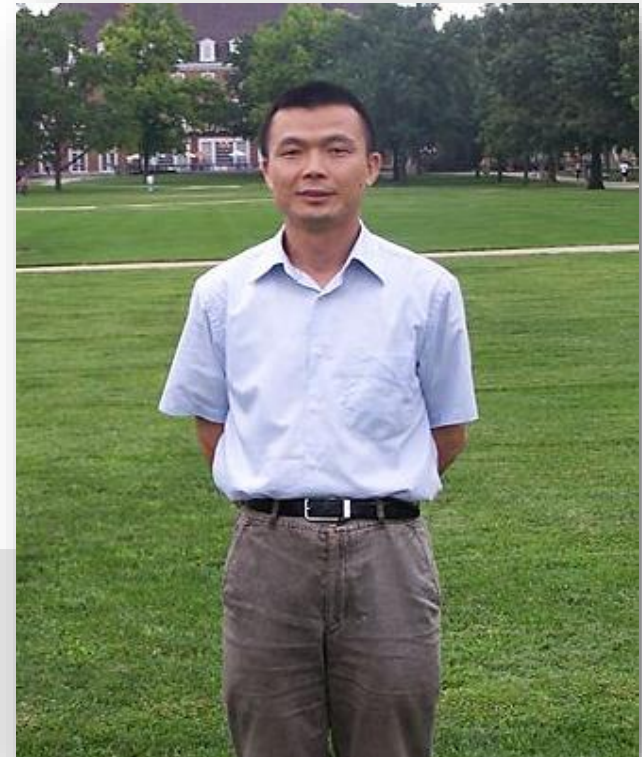
1 Ph.D. and 2 Master students

Rensen Zeng

Fujian Agriculture and Forestry University
Professor

Significant papers

Eight papers, including *Plant Cell and Environment*, *Pesticide Biochemistry and Physiology*, *Frontiers in Plant Science*, *Frontiers in Physiology*, *Journal of Hazardous Materials*



Plant, Cell &
Environment



ORIGINAL ARTICLE

Priming and filtering of antiherbivore defences among *Nicotiana attenuata* plants connected by mycorrhizal networks

Yuanyuan Song, Ming Wang, Rensen Zeng, Karin Groten, Ian T. Baldwin

First published 26 July 2019 | <https://doi.org/10.1111/pce.13626>

Tongxian Liu

**Qingdao Agricultural University
Professor**

1. Significant papers

More than ten papers

2. Editorial board members

Subject Editor of JEE

3. Significant award or recognition

- Academic committee chair of 2 provincial key laboratories
- Vice President of Shandong Provincial Association of Plant Protection

4. Organizing symposia or other professional meetings

Organizer, several national symposia on pest management and plant medicine

5. Student(s) graduated

5 PhD students and 4 MS students



Yidong Wu

**Nanjing Agricultural University
Professor**



1. Significant papers

Two papers, including *Insect Biochemistry and Molecular Biology* and *Pest management science*

2. Book editing and new journal editorial board member elected

Insect Biochemistry and Molecular Biology

3. Significant research grants

Key project from Natural Science Foundation of China, Gene discovery and mechanism analysis of Cry1Ac resistance mediated by second-site non-complementation (SSNC) in *Helicoverpa armigera* (2020-2024)

Sheng Li

South China Normal University
Professor



1. Significant papers

Four papers, including *Annual Review of Entomology*, *Molecular Biology and Evolution*, *Systematic Entomology*, *Insect Biochemistry and Molecular Biology*

2. Book editing and new journal editorial board member elected

Current Opinion in Insect Science

3. Significant research grants

Key project from Natural Science Foundation of China, 31930014 , 蜚蠊翅型多样性的保幼激素调控机制

4. Significant award or recognition

国务院政府津贴

5. Student(s) graduated

3 PhD students

Jianzhen Zhang

Shanxi University
Professor



1. Significant papers

- Eleven, *Insect Biochemistry and Molecular Biology, Chemosphere, International Journal of Biological Macromolecules, Pesticide Biochemistry and Physiology*
- Two of book chapters

2. Significant position acceptance

Director of Institute of Applied Biology, Shanxi University

3. Organizing symposia or other professional meetings

- 07/2019 Organizer, Insect RNAi Mechanisms and Physiology, Taiyuan, Shanxi, China
- 07/2019 The 2nd International Conference on Insect Pest Management, Organizer, the fourth session “New Technologies for Pest Control”, and gave oral presentation “Cuticle formation of *Locusta migratoria* and its potential in insect pest management”. Guiyang, Guizhou, China

Kunyan Zhu

Kansas State University
University Distinguished Professor



1. Significant papers

- Four papers, including *Insect Biochemistry and Molecular Biology* and *Pest management science*
- Two book chapters

2. Position in Professional Organization

Incoming President of the Physiology, Biochemistry, and Toxicology (PBT) Section, ESA

3. Award and Recognition

Legacy Contribution Award, North Central Branch of the Entomological Society of America

4. Symposium Organizing

- 11/2019 Organizers, PBT Section Symposium: Insecticide Targets and Resistance (INSTAR) Summit. Entomology 2019 National Meeting of the ESA, St. Louis, MO.
- 11/2019 Organizers, Meeting: Physiology, Biochemistry, and Toxicology (PBT) Section Meeting- Networking Session. Entomology 2019 National Meeting of ESA, St. Louis, MO.
- 07/2019 Organizer Committee and Academic Committee member, the Second International Conference on Insect Pest Management, Guiyang, China
- 07/2019 Chair for Section I and Co-chair for Roundtable Discussion at Symposium on Insect RNAi Mechanisms and Physiology, Shanxi University, Taiyuan, China
- 07/2019 Organizer, Symposium on Insect RNAi Mechanisms and Physiology, Shanxi University, Taiyuan, China

Haobo Jiang

Oklahoma State University
Regents Professor

Biochemistry and Molecular Biology

2019; 4(3): 42-52

<http://www.sciencepublishinggroup.com/j/bmb>

doi: 10.11648/j.bmb.20190403.12

ISSN: 2575-5064 (Print); ISSN: 2575-5048 (Online)



Expression and Characterization of *Manduca sexta* Stress Responsive Peptide-1; An Inducer of Antimicrobial Peptide Synthesis

Lynn
Micha



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Contents lists available at [ScienceDirect](#)

Insect Biochemistry and Molecular Biology

journal homepage: www.elsevier.com/locate/ibmb



The three-dimensional structure of the *Manduca sexta* peptide

Yingxia Hu^{1,2,3},
Haobo Jiang^{1,*}



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Insect Biochemistry and Molecular Biology 116 (2020) 103261

Contents lists available at [ScienceDirect](#)

Insect Biochemistry and Molecular Biology

journal homepage: www.elsevier.com/locate/ibmb



Inhibition of immune pathway-initiating hemolymph protease-14 by *Manduca sexta* serpin-12, a conserved mechanism for the regulation of melanization and Toll activation in insects[☆]

Yang Wang^a, Fan Yang^a, Xiaolong Cao^a, Rudan Huang^a, Susan Paskewitz^b, Steve D. Hartson^c, Michael R. Kanost^d, Haobo Jiang^{a,*}



Junwei Zhu

U.S. Department Agriculture
Research Entomologist



1. Significant papers

Scientific Report (Journal Top 100 paper)

2. Editorial board member elected

Elected as Editorial board member of JIS

3. Significant award or recognition

Elected as the President of the International Society of Chemical Ecology

4. Organizing symposia or other professional meetings

- Plenary speaker, XI Brazilian Chemical Ecology Conference
- Plenary speaker, Environmental Health Association Regional Meeting
- Keynote speaker, the Asian-Pacific Chemical Ecology Conference
- Chair and symposium organizer, the 10th APACE conference

5. Significant product developed (industry professionals)

Insect Tape Trap was developed by the collaboration of my lab and Nitto Inc. USA

Changlu Wang

**Rutgers University
Associate Professor**



Significant award or recognition

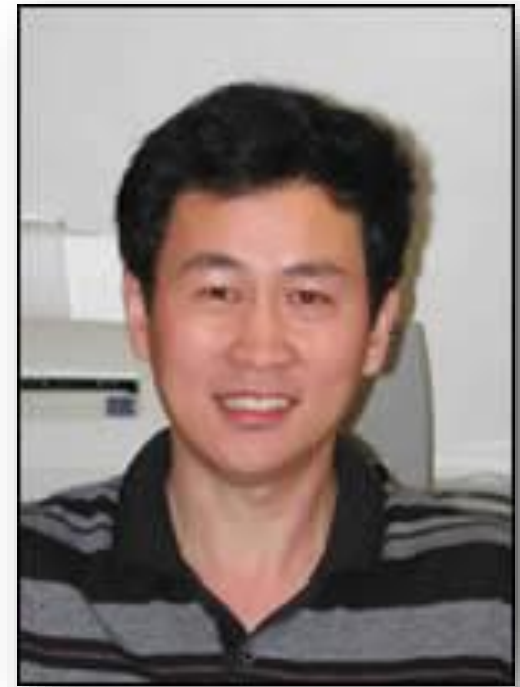
- The president elected for the MUVE (Medical, Urban, and Veterinary Entomology) Section, ESA
- Shannon Sked, one of Dr. Wang's students, won the MUVE section Travel Award, 2019

Qisheng Song

University of Missouri
Professor

Significant papers

Eleven papers, including *Annual Review of Entomology*, *Nucleic Acids Res.*, *GigaScience*, *Mobile DNA*, *Journal of Biological Chemistry*, *Ecotoxicology Environmental Safety*, *Insect Biochemistry and Molecular Biology*, *Frontiers in Physiology* (4)



ANNUAL REVIEWS

JOURNALS A-Z

JOURNAL INFO

PRICING & SUBSCRIPTIONS

SUBSCR

Home / Annual Review of Entomology / Volume 65, 2020 / Wu

Pesticide-Induced Planthopper Population Resurgence in Rice Cropping Systems

Annual Review of Entomology

Vol. 65: (Volume publication date January 2020)

Review in Advance first posted online on October 14, 2019. (Changes may still occur before final publication.)

<https://doi.org/10.1146/annurev-ento-011019-025215>

Jincai Wu,^{1*} Linquan Ge,¹ Fang Liu,¹ Qisheng Song,² and David Stanley³

¹School of Plant Protection, Yangzhou University, Yangzhou, Jiangsu 225009, China; email: jincaiwu1952@sina.com


²Division of Plant Sciences, University of Missouri, Columbia, Missouri 65211, USA

³Biological Control of Insects Research Laboratory, US Department of Agriculture, Agricultural Research Service, Columbia, Missouri 65203, USA

Ke Dong

Michigan State University
Professor



 MICHIGAN STATE UNIVERSITY

College of Natural Science

Dong Lab - Insect Toxicology & Neurobiology

Projects Staff Publications Research Network In the News

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Publications

Publications

1. Zhang J, H...
of tricyclic sodium
Chem. 10.10
2. Chen M, Du Y, Wu S, Nomura Y, Zhu G, Zhorov BS, Dong K (2019) Molecular evidence of sequential evolution of DDT- and pyrethroid-resistant sodium channel in *Aedes aegypti*. *PLoS Neglected Tropical Diseases* 13(6):e0007432.

Tenures and/or other job promotions:

Dong's lab will move from Michigan State University to Biology Department at the Duke University in Summer 2020.

Hua Bai

**Iowa State University
Assistant Professor**



1. Significant papers

- Four, including *Frontiers in Genetics*, *Genetics of Aging*, *Journal of Genetics and Genomics*, *PLOS Biology*, *BMC Genomics*
- Two paper accepted with minor revision, *Autophagy* and *Nature Communications*

2. Significant research grants

2019-2023 NIH/NIA “Autonomous and Non-Autonomous Regulation of Cardiac Aging”, PI, (\$1,505,149)

3. Organizing symposia or other professional meetings

05/2019 Founding member, Midwest Aging Consortium (MAC)

Fang Zhu

Pennsylvania State University
Assistant Professor



1. Significant papers

Three, including *Frontiers in Physiology*, *BMC Genomics* and *Journal of Pest Science*.

2. Editorial board members

- Bulletin of Entomological Research
- PLOS One

3. Significant research grants

2019-2023 USDA NIFA SCRI CAP “Biology, Management, and Reducing the Impact of the Spotted Lanternfly in Specialty Crops in the Eastern USA”, Co-PI with Julie Urban (PI) (\$7,308,194)

4. Organizing symposia or other professional meetings

2019 Co-Organizer and Moderator, Symposium “**Mechanisms of Chemical Adaptation to Support Pest and Pollinator Management**” at the ESA annual meeting, St. Louis, MO

Hongmei Li

Central State University
Assistant Professor



1. Significant papers

Impact of acute oral exposure to thiamethoxam on the homing, flight, learning acquisition and short-term retention of *Apis cerana*, *Pest Management Science*

2. Book editing and new journal editorial board member elected

Journal editor for Scientific Reports

3. Significant research grants

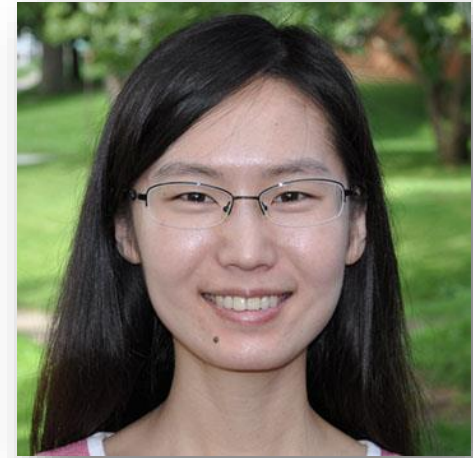
- NSF Research Initiation Award (Award No: 1900793), Search for the Epigenomic Mechanisms of Paternal Inheritance of Aggression in Social Honeybees
- USDA SARE Grant (ONC19-062), Improving the Honeybee Queen Qualities and Genetic Diversity by Transferring Selected Queen Cells

4. Organizing symposia or other professional meetings

2019 SysEB section symposium **Road to Sociality: Regulation and Evolution of Social Behavior in Insects**, Entomology 2019 National Meeting of the ESA, St. Louis, MO.

Qian “Karen” Sun

**Louisiana State University
Assistant Professor**



1. Significant research grants

- Louisiana Department of Agriculture and Forestry: \$50,000 on Structural Pest Research (07/2019-06/2020)
- LSU Graduate School: \$100,000 Economic Development Assistantship for recruiting a PhD student (07/2019-06/2023)

2. Organizing symposia or other professional meetings

One of the organizers, SysEB Section Symposium at 2019 EAS annual meeting: **The Road to Sociality: Integrated Concepts of Social Behavior in Insects.**

3. Paula Castillo, one of Dr. Sun's students, won the MUVE section Travel Award, 2019

Lab of Urban Entomology at LSU

Our lab is broadly interested in the social behavior and evolution of termites, combining perspectives from chemical ecology, neurobiology and genetics. Research areas include 1) pheromones and other semiochemicals that regulate social behavior, 2) the chemosensation and neural processing of social stimuli, and 3) genetics and genomics of insect sociality.

We are recruiting a PhD student to join the new, but growing and active lab to study sociogenomics in the Formosan subterranean termite. Experience in molecular biology or bioinformatics is desirable, and start time is fall 2020. Interested students are welcome to contact Dr. Sun for any questions.

Qian “Karen” Sun, Assistant Professor
Dept. of Entomology, Louisiana State University
Email: qsun@agcenter.lsu.edu
Website: <https://www.qiansunlab.com>



Guanheng Zhu

University of Kentucky
Postdoctoral Researcher



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Insect Biochemistry and Molecular Biology

journal homepage: www.elsevier.com/locate/ibmb



CRISPR/Cas9 mediated gene knockout reveals a more important role of PBP1 than PBP2 in the perception of female sex pheromone components in *Spodoptera litura*

Guan-Heng Zhu^{a,c}, Mei-Yan Zheng^a, Jia-Bin Sun^a, Sajjad Ali Khuhro^a, Qi Yan^a, Yongping Huang^b, Zainulabeuddin Syed^c, Shuang-Lin Dong^{a,*}

^a Education Ministry Key Laboratory of Integrated Management of Crop Disease and Pests, College of Plant Protection, Nanjing Agricultural University, Nanjing, 210095, China

^b Key Laboratory of Insect Developmental and Evolutionary Biology, Institute of Plant Physiology and Ecology, Chinese Academy of Sciences, Shanghai Institutes for Biological Sciences, Shanghai, 200032, China

^c Department of Entomology, University of Kentucky, Lexington, KY, 40546, USA

Knockout of juvenile hormone receptor, Methoprene-tolerant, induces black larval phenotype in the yellow fever mosquito, *Aedes aegypti*

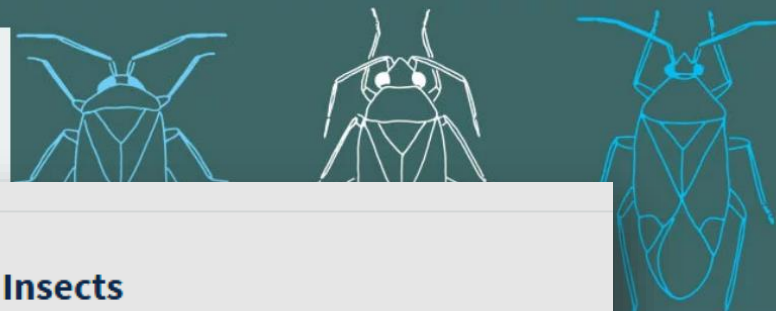
Guan-Heng Zhu^a, Yaoyu Jiao^a, Shankar C. R. R. Chereddy^a, Mi Young Noh^b, and Subba Reddy Palli^{a,1}

^aDepartment of Entomology, College of Agriculture, Food and Environment, University of Kentucky, Lexington, KY 40546; and ^bDepartment of Forestry, Chonnam National University, Gwangju, 61186 South Korea

Edited by Lynn M. Riddiford, University of Washington, Friday Harbor, WA, and approved September 13, 2019 (received for review April 3, 2019)

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Molecular Mechanisms of Wing Polymorphism in Insects

Chuan-Xi Zhang, Jennifer A. Brisson, Hai-Jun Xu
Vol. 64, 2019, pp. 297-314

[Preview](#) [Abstract - Figures](#)

Fat Body Biology in the Last Decade

Sheng Li, Xiaoqiang Yu, Qili Feng
Vol. 64, 2019, pp. 315-333

[Preview](#) [Abstract - Figures](#)

Systematics, Phylogeny, and Evolution of Braconid Wasps: 30 Years of Progress

Xue-xin Chen and Cornelis van Achterberg
Vol. 64, 2019, pp. 335-358

[Preview](#) [Abstract - Figures](#)

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Volume 64, 2019

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Molecular Mechanisms of Wing Polymorphism in Insects
Chuan-Xi Zhang, Jennifer A. Brisson, Hai-Jun Xu

小时候，我们闲来追蝴蝶，现在只追梦。

見戲



小时候，我们闲来追蝴蝶，现在只追梦。



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35
1984-2019
35th Anniversary
执守梦想
相伴同行

LUCIO

35th Anniversary
1984-2019

相伴同行



Happy Thanksgiving

Sophia Zhou

